

GPS Navigation X-970 User Guide



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1_Introduction

Thank you for choosing the ViaMichelin Navigation X-970 to accompany you and help you during your travels.

The ViaMichelin Navigation X-970 is ergonomically designed to be as intuitive as possible. This manual nevertheless contains precise instructions, together with tips and advice, for each of the many functions that the device offers. They are intended to help you to get the best out of your ViaMichelin Navigation X-970 device.

This PND (Personal Navigation Device) is fitted with a touch screen for better ergonomics.

The package you have purchased contains:

- 1 ViaMichelin Navigation X-970
- 2 Car mounting systems for windshield or dashboard use
- 1 Cigarette lighter cable
- 1 USB cable
- 1 Power adapter
- 1 SD card with USA and Canada already loaded
- 1 ViaMichelin Navigation DVD-ROM
- 1 Installation diagram
- QuickStart manual

Before installing the ViaMichelin Navigation X-970 mobile device in your car, we recommend that you familiarize yourself with how the system operates.

When you first operate your ViaMichelin Navigation X-970, please connect it to the cigarette lighter socket or to your (switched on) PC using the USB cable or the power adapter supplied with your unit for about four hours. You may notice that the indicator light in the top left-hand corner of your ViaMichelin Navigation X-970 changes color according to the battery power level:

- **Indicator Light is Red:** the ViaMichelin PND is charging or run down.
- **Indicator Light is Green:** the ViaMichelin PND is charged.

The ViaMichelin Navigation X-970 has a battery life of approximately 3 hours. This battery life depends on how the device is used. For example the sound volume and screen brightness as well as using the “**hands-free**” function on your PND may considerably reduce this battery life.

You will find other helpful information and updates to this manual on the dedicated Navigation website:

<http://www.ViaMichelin.us/support970.php> > **GPS Navigation** > **Support**

2_Installation in the vehicle



2.1 Button and sockets

You will find the visual presentation of the various elements making up your ViaMichelin Navigation X-970 on the installation diagram.

- **On the top:**
 - On/Off button To switch the device on or off.
- **On the left side:**
 - SD card reader For SD cards with a storage capacity of up to 2 GB.
- **Under the device:**
 - Audio socket Use this 3.5 mm jack to connect an earphone for audible alarms.
 - Mini-USB port To connect your ViaMichelin Navigation X-970 to your PC using the USB cable provided.
 - Power connector To connect the cigarette lighter cable supplied with your device or a power adapter.
- **Mounting system connection socket**
 - This socket provides the connection between the parts in the car mounting system and the device. It is also used to connect the antenna to receive traffic information (an option that will be available via a separate accessory at a later date).
- **At the back of your device:**
 - Antenna socket This socket is not currently used.
 - Reset In certain situations, it may be necessary to reset the PND; to reset the device (soft or hard reset), see the information in the table in chapter 15.
- **On the car mounting system (below):**
 - Mic socket This socket is not currently used.
 - TMC socket This socket is not currently used.
 - Power connector Used to connect the cigarette lighter cable and the power adapter supplied with your ViaMichelin Navigation X-970.

Comments:

The power adapter contains the transformer used to supply and recharge the battery in your device. It must be installed near your PND and be accessible so that you can disconnect the device easily.

Disconnect the power adapter first before disconnecting the PND cable.



2.2 Installing the hardware in a vehicle

- To benefit from better mounting if necessary, unscrew the suction pad slightly from the support.
- Install the mounting system on the windshield by applying pressure to the suction pad and then turning the screw clockwise.
- Start your vehicle.
- Connect the cigarette-lighter cable to your ViaMichelin Navigation X-970 mounting system (socket on the right-hand side) and then to your vehicle's cigarette-lighter socket.
- Mount your ViaMichelin Navigation X-970 by sliding it onto the mounting system as shown on the installation diagram provided.
- Turn on your ViaMichelin Navigation X-970 and plan your journey.

FOR YOUR SAFETY:

- Make sure you position the mounting system in a place where it will not obstruct visibility or interfere with driving the vehicle.
- Make sure you position the cigarette lighter cable in a place where it will not obstruct visibility or interfere with driving the vehicle.
- Make sure you plan your destination when the vehicle is stationary. We strongly recommend that you not operate the device while driving.



2.3 Installing the software pre-recorded on the SD card


ViaMichelin Navigation is a “Plug & Drive” solution: simply install the SD memory card provided on the left side of your PND. The card must be fully inserted face up in the direction of the blue arrow as shown in the illustration below:



To remove the SD card from the device, press on the side of the SD card and release. The SD card will then be ejected from the device.

Then follow the installation instructions displayed on your screen:

- **Select the language for the menus**
- **Configure keyboard**
- **Select the voice guidance language**
When choosing the voice guidance language, you may select a traditional pre-recorded voice (6 languages available: American English, English, French, German, Italian, Spanish) or voice synthesis (American English), which will guide you with instructions concerning road names, directions, road signs
- **Voice guidance settings**
- **Select the distance unit**
- **Select map display**
- **Time display format**
- **Set the time**

- To select the setting you want, click on the arrows to the left or right of the different choices then click on the arrow at the bottom of the screen to move to the next setting or go back to the previous setting to modify it. After installing the software on your PND you can change the selected settings from the different menus in the “**Settings**” menu. 

Once the SD card programs are installed you reach the legal disclaimer screen. After clicking the “**I Accept**” button you reach the Main Menu. The following chapters explain how to use it:



Your ViaMichelin X-970 Navigation is now ready to guide you!

Comments:

- If you switch on your ViaMichelin Navigation X-970 without first inserting an SD card, a demonstration mode will run automatically after 90 seconds. To stop the demonstration, simply insert the supplied SD card into the slot provided. You will then be able to start using your product.
- Make sure that your SD card is not locked: safety in the “lock” position, this may impair the operation of the ViaMichelin Navigation software. (In this position, the contents of your SD card are protected but the software will not be able to save settings required for the software to run properly).



- Use only the SD card supplied with your ViaMichelin Navigation X-970. Do not use it in other devices (digital cameras, PDA, MP3, etc.).
- Do not change its content without using the ViaMichelin Content Manager” program.

You can then install the PC application “**Content Manager**” which will allow you not only to use the advanced functions provided by ViaMichelin Navigation X-970, such as the new “My ViaMichelin” to transfer your personal data to your mobile device directly from the ViaMichelin web site: <http://www.ViaMichelin.com> to export points of interest (POI) and to manage the map sets, but also to restore the initial content of your SD card if necessary (see Chapter 13 – **Content Manager**).



2.4 Activating the GPS

- After connecting your ViaMichelin Navigation X-970 and installing the software on the SD card, go to the **Main Menu**, and click **Settings / Navigation / GPS**. This will take you directly to the page presenting GPS reception:



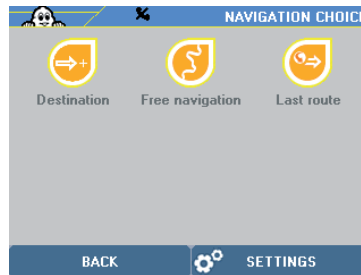
When using your ViaMichelin Navigation X-970 for the first time, we recommend you to do so in an open space in order to ensure the best possible satellite reception. Activating the GPS system for the first time can take several minutes, depending on the surroundings and the quality of the GPS signals.

Similarly, when setting off on a calculated route, you need to start moving so that the system can determine the direction and speed of the vehicle and suggest a route corresponding to your traffic direction.

Detailed instructions for installing and using the GPS are given in Chapter 6.2.2 of this manual.

3_Navigating

- From the **Main Menu**, click on the “**Navigate**” button.



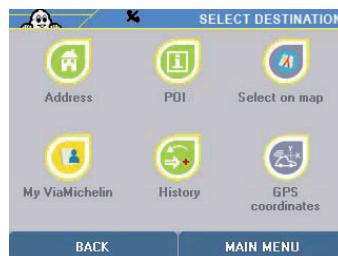
You can choose your navigation by one of 3 search methods:

- **Destination** to calculate a route quickly by simply indicating the destination you want.
- **Free navigation** if you simply want to display your position on the screen.
- **Last route** to use the calculation of the last route followed again.
- Click the navigation of your choice.
- Click on “**Back**” to return to the previous screen or on “**Settings**” to access the settings screens (For more information, see Chapter 6)



3.1 Destination

- Click “**Destination**”.

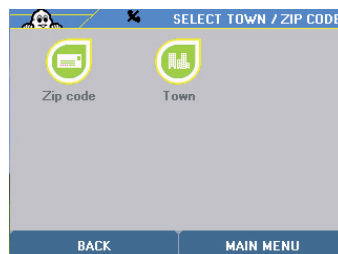


You can choose your destination by one of 6 search methods:

- towards an **Address**
- towards a **POI** (Point Of Interest)
- by **Selecting** a place directly on the map
- in **My ViaMichelin** for your saved addresses
- in the **History** of the last 15 journeys made
- by indicating **GPS coordinates**

3.1.1 Address

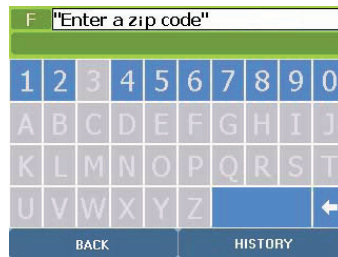
- Click “**Address**”.



You can then search either by “**Zip Code**” or “**Town**”.

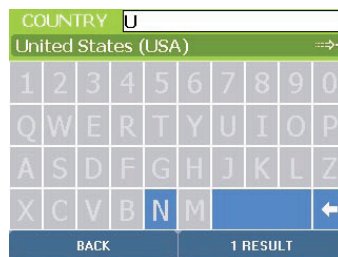
3.1.1.1 Zip code

- Click “**Zip Code**”.



Comment:

When using your ViaMichelin Navigation X-970 system for the first time, you must select the country for the search. Type the beginning of the country name, ViaMichelin Navigation will automatically complete your search, then click the result button.



- You can either click the country given in the line at the top of your screen or click “**X results**” to select the country you want from the list shown.
- In case of error or to change the country in which you will be searching for the next addresses, simply click the button on the top left of the screen showing the country identification selected and select another country.
- Click “**History**” if you want to go directly to the last 15 zip codes searched or click “**Back**” to return to the previous screen.
- Enter the zip code you want by clicking the relevant numbers.

As you indicate zip codes the system suggests a search result; click the result bar or the “**X Results**” button: on the list displayed, click the zip code you want.



- Click “**Town Center**” if you want to position the destination point in the center of the town indicated or click “**Back**” to return to the previous screen.
- Enter the name of the street you are looking for by clicking the letters of your choice from those displayed corresponding to the different selections known to the system.
- Click the result bar or the “**X Results**” button: click the street you want from the list displayed.
- Click “**Change**” on the results screen if you want to change your search criteria, or click “**Main Menu**” to take you back directly to the system home page.
- **Then click the positioning you want:**
 - Center on street** if you want to position the arrival point in the geographical center of the selected street.
 - Select house number** if you want to specify the house number.
 - Select street intersection** if you want to position the arrival point at an intersection with another street.

1. Center on street

- Click “**Center on Street**”.

You go directly to the “**Route Summary**” screen summarizing the settings used to calculate your route; the departure point is the position established by the GPS.

2. Select House Number

- Click “**Select House Number**”.
- Click “**Display All**” if you want to display the list of house numbers known to the system in the selected street or click “**Back**” to return to the previous screen.
- Enter the house number to search for.
- Click “**Search**”.

Comment:

*If the system does not recognize the number entered, it displays the list of closest known numbers. Click the number closest to the one you want, or click “**Change**” if you want to search for a different house number. You then return to the “**Select House Number**” screen. Click “**Main Menu**” to go back to the system home page.*

*If there is no vehicle access to the house number you entered (pedestrian road, private road, etc.) the message “Address not accessible by road – nearest location has been found” is displayed. Click “**OK**” to automatically position your arrival point as close as possible to your desired destination point.*

This brings you to the “**Route Summary**” screen summarizing the settings used to calculate your route.

3. Select Street Intersection

- Click “**Select Street Intersection**”.
- Click “**Display All**” to obtain the list of streets that intersect the street indicated or click “**Back**” to return to the previous screen.
- Enter the name of the street that intersects your destination street.
- Click “**Search**”.

Comment:

If there are several streets that meet your criteria, a list of street names is displayed. Click the direction arrows to view all the streets found and click the street you want.

- Click “**Change**” if you want to change your search criteria, or click “**Main Menu**” to take you back directly to the system home page. You then return to the “**Street intersection**” screen.

This brings you to the “**Current route**” screen summarizing the settings used to calculate your route.

(For the action to take on this screen, see paragraph 3.1.1.2.).

3.1.1.2 Town and State

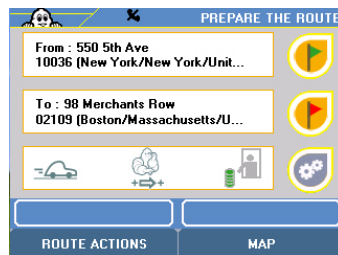
- Click “**Town**”.

USA Town										State									
New York (New York/United Sta.... =>																			
1	2	3	4	5	6	7	8	9	0										
Q	W	E	R	T	Y	U	I	O	P										
A	S	D	F	G	H	J	K	L	Z										
X	C	V	B	N	M										←				
BACK										RESULTS									

- Click “**History**” if you want to use an address from one of the last 15 routes already calculated or “**Back**” to go back to the previous page.

- Enter the name of the destination town by clicking the letters of your choice from those displayed corresponding to the different selections known to the system.
- Click the result bar or “**X Results**” to select the suggested result or see the list of towns corresponding to the instructions entered. If necessary, click on the direction arrows to view all the towns found.
- Click the town of your choice.
- The system will automatically search for the state. If you want to change the state, click on the code corresponding to the state at the top right of the screen.
- Click “**Change**” if you want to change your search criteria, or click “**Main Menu**” to take you back directly to the system home page. This will bring you back to the search town page.
- Click “**Town Center**” if you want to position the arrival point on the geographical center of the destination town or click “**Back**” if you want to return to the previous screen.
- Enter the name of the destination street by clicking the letters or numbers of your choice from those displayed corresponding to the different selections known to the system.
- Click the result bar or “**X Results**” to select the suggested result or see the list of streets corresponding to the instructions entered. If necessary, click on the direction arrows to view all the streets found.
- Click on the street you want.
- Click “**Change**” if you want to change your search criteria, or click “**Main Menu**” to take you back directly to the system home page. This will bring you back to the destination street name screen.
- Then click the positioning you want:
Center on street if you want to position the arrival point in the geographical center of the selected street.
Select house number if you want to specify the house number.
Select street intersection if you want to position the arrival point at an intersection with another street.
For more information, see paragraph 3.1.1.1.

This brings you to the “**Route Summary**” screen summarizing the settings used to calculate your route.



- Click one of the right-hand buttons to change one of the criteria.
- Click “**Route Actions**” if you want to add one or more stages to the journey to be calculated, display the map of the calculated route, etc.
- Click “**Navigation**” to start calculating the route.

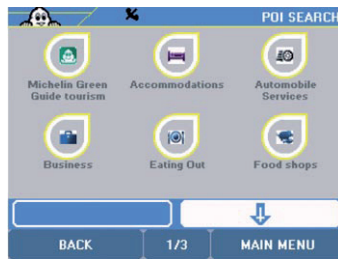
The Navigation screen is displayed once the route has been calculated. Start driving so that the system determines the direction you are following when you set out. The voice guidance system will give you directions to your destination.

3.1.2 POI

- Click “**POI**”.

The term “**POI**” (Point Of Interest) represents any geocoded site that may be interesting. The ViaMichelin Navigation X-970 includes an exclusive collection of thousands of points of interest taken from the Michelin Green Guide—and a selection of practical addresses (food stores, accommodation, gas stations, etc.). An exclusive feature of the POIs extracted from the Michelin Green guide and of the practical POIs, is that they include a full description and can be selected using a multikey search process. This means that your ViaMichelin Navigation X-970 offers you all the comprehensiveness of a standard guidebook, an essential addition to your navigation system.

In the Main Menu, click **Navigate**, **Destination**, then **POI**, select the category of POI you want and then select the details required.



- Click the direction arrows to display all POI categories. Some POI icons are associated with symbols indicating possible links to warning setting (map display and/or alarm signal).
- Click the POI category you want.
- You can now select the place you are looking for using 4 criteria:
 - Town** to look for a selected POI in the town you choose.
 - GPS Position** to find a POI near the position established by the GPS.
 - Departure Point** to look for a POI near your departure point.
 - Arrival Point** to look for a POI near your arrival point.

3.1.2.1 Town

- Click **“Town”**.

You can then search either by:

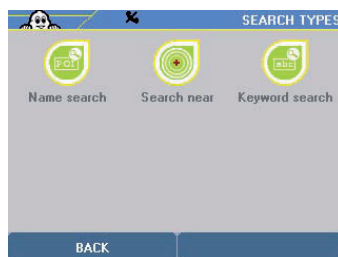
- **“Zip code”**.
- or **“Town”**.

1. Zip code

[For more information, see paragraph 3.1.1.1.](#)

The list of POIs found is displayed in descending order of distance—in a straight line—from the place indicated.

- Click **“Refine”** to narrow the search by indicating new search criteria or **“Back”** to go back to the previous screen:
 - Name Search** to find a POI using its name.
 - Search Near** to find a POI near a certain location.
 - Keyword Search** to find a POI using a keyword.



1.1. Name Search

- Click **“Name Search”**.
- Click **“Display All”** to see the list of POIs known to the system, or click **“Back”** to return to the previous page.
- Or enter the name of the POI you want.
- Click **“Search”** to start the search. The list displayed takes the word you entered into account.
- Click the direction arrows to view all the POIs then on the POI of your choice
- Click **“New search”** if you want to go back to the search screen.

1.2. Criteria Search

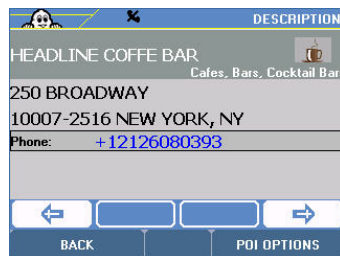
- Click “**Criteria Search**”.
- Select the settings you want by taking the direction arrows or the information to select from the list displayed:
Green Guide:
Categories
Tourist attractions
- Click “**Search**” to start the search. The list displayed takes your selected criteria into account, or click “**Back**” to return to the previous screen.
- Click the direction arrows to view all the POIs then on the POI of your choice.
- Click “**New search**” if you want to go back to the search screen.

1.3. Keyword Search

Comment:

This type of search is only valid for certain categories of POI, like Michelin Green Guide POIs.

- Click “**Keyword Search**”.
- Enter a word to designate the POI you want or click “**Display All**” for a list of the POIs known to the system.
- Click “**Search**” to start the search. The list displayed takes the word you entered into account.
- If there is no POI meeting your search criteria, the system displays the message “**No address matches your request. Please try a new search.**” Click “**OK**” to return to the previous screen.
- Click the direction arrows to view all the POIs, then click the POI of your choice.
- Click “**New search**” if you want to go back to the search screen.
- Click the POI you want.

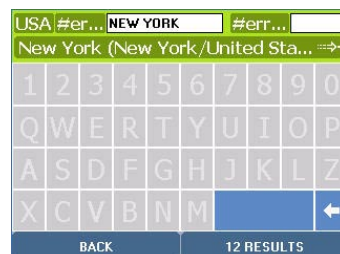


This will take you to the POI description page (*for more details on POI description information and use, see Chapter 9*).

- Click “**OK**” to confirm the POI as your destination, or click “**Back**” if you want to return to the previous screen. This brings you to the “**Route Summary**” screen summarizing the settings used to calculate your route. (*For the action to take on this screen, see paragraph 3.1.1.2.*)

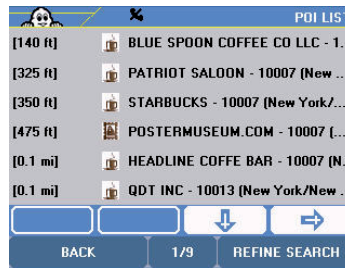
2. Town

- Click “**Town**”.



For more information, see paragraph 3.1.1.2.

- Click the town of your choice.
- Click **“Change”** to change your search criteria, or click **“Main Menu”** to take you back to the system home page.



- Click direction arrows to view all POIs found, classified in order of increasing distance from the place indicated.
- Click the POI you want.

This will take you to the POI description page

(For more details on POI description information and use, see Chapter 9).

- Click **“OK”** to confirm the POI as your destination, or click **“Back”** if want to return to the previous screen.

This brings you to the **“Route Summary”** screen summarizing the settings used to calculate your route.

(For the action to take on this screen, see paragraph 3.1.1.2.)

3.1.2.2 GPS Position - Departure Point or Arrival Point

- Click **“GPS position”** - **“Departure Point”** or **“Arrival Point”**.
- Click the direction arrows to view all the POIs found, classified in order of increasing distance—in a straight line—from the place indicated.
- Click the POI you want.
- Click **“Refine Search”** to go to the advanced search screens, or click **“Back”** to return to the previous screen.

You can now specify your search by:

- **Name Search** for more information, see paragraph 3.1.2.1.
- **Criteria Search** for more information, see paragraph 3.1.2.1.
- **Keyword Search** for more information, see paragraph 3.1.2.1.

This brings you to the POI description page (see Chapter 10).

- Click **“OK”** to confirm the POI as your destination, or click **“Back”** if want to return to the previous screen.

This brings you to the **“Route Summary”** screen summarizing the settings used to calculate your route.

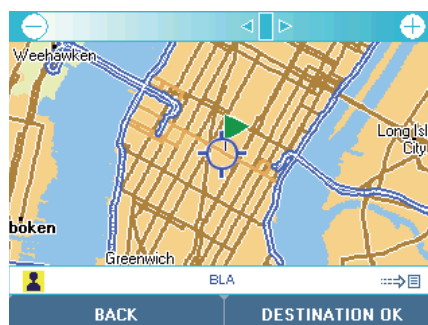
(For the action to take on this screen, see paragraph 3.1.1.2.)

3.1.3 Select on Map

- Click **“Select on Map”**.

Zoom in and move the map to position the location marker (blue circle in the center of the screen) on the location you want:

- to zoom in: click **“-”** or **“+”** in the bar at the top of the screen to gradually zoom in on the map, or click the bar to move it directly to the desired zoom level or click the cursor to move it to the desired zoom level. The map system offered on your ViaMichelin Navigation X-970 includes 14 zoom levels.

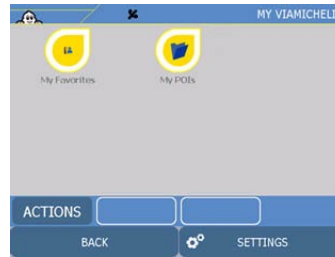


- To move the map: place the stylus on the map and move it in the direction you want.
- Click **“Destination OK”** to confirm the location or **“Back”** to return to the previous screen.

This brings you to the **“Route Summary”** screen summarizing the settings used to calculate your route.
(For the action to take on this screen, see paragraph 3.1.1.2.).

3.1.4 My ViaMichelin

Click **“My ViaMichelin”**.



You can select:

- **My Favorites** to find a POI in the list of the ones you have already saved directly on the PND or the ones you have imported from your **“My ViaMichelin”** account on the ViaMichelin web site.
- **My POIs** to select a POI from a ViaMichelin partner brand or from an “asc” file transfer.
- **Personal folders** these are files that you have created that have exactly the same presentation as **“My Favorites”**.

3.1.4.1 My Favorites or Personal Folders

A small **“eye”** displayed on the side of the icon indicates that the **“My Favorites”** or the personal folder selected will be displayed on the screen and the signposting triangle indicates that an alarm signal will be activated when passing near a POI from **“My Favorites”** or the associated personal folder.

- Click **“My Favorites”**
- Click the POI you want. They are presented by category and in the order in which they were entered.

This brings you to the **“Route Summary”** screen summarizing the settings used to calculate your route.
(For the action to take on this screen, see paragraph 3.1.1.2.).

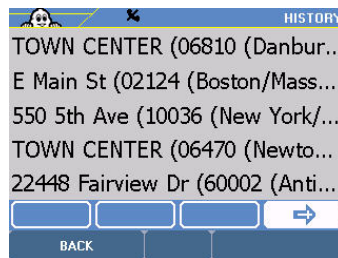
3.1.4.2 My POIs

- Click **“My POIs”**.
- Click the POI folder you want, then the POI you want.

This brings you to the **“Route Summary”** screen summarizing the settings used to calculate your route.
(For the action to take on this screen, see paragraph 3.1.1.2.).

3.1.5 History

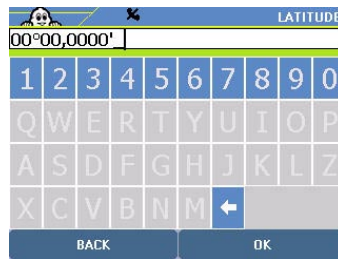
Click **“History”**.



A list of the last 15 destinations is displayed. Click the address you want or click **“Back”** to return to the previous screen.
 This brings you to the **“Route Summary”** screen summarizing the settings used to calculate your route.
(For the action to take on this screen, see paragraph 3.1.1.2.).

3.1.6 GPS Coordinates

Click “GPS Coordinates”.



Enter the latitude (N / S) in degrees, minutes and hundredths of minutes and then select N (North) or S (South) to specify the direction.

Click “OK” to confirm or click “Back” to return to the previous screen.

Enter the longitude (E / W) in degrees, minutes and hundredths of minutes and then select E (East) or W (West) to specify the direction.

Click “OK” to confirm or click “Back” to return to the previous screen.

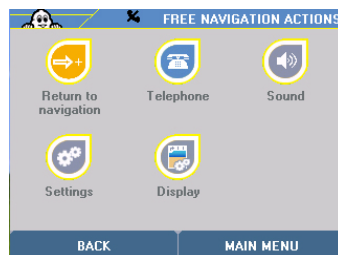
If the system displays the message “**The place selected must be less than 25 km from a road**”: click “OK” to return to the screens for entering the latitude and longitude.

This brings you to the “**Route Summary**” screen summarizing the settings used to calculate your route. *(For the action to take on this screen, see paragraph 3.1.1.2.).*



3.2 Free Navigation

Click “Free Navigation” and start driving.



Click “Main menu” to take you back directly to the system home page or click “Navigation Actions” to access the Free Navigation settings:

You can then choose between:

- Return to Navigation** to go back to the map and continue free navigation
- Telephone** to access telephone options
- Sound** to access sound settings
- Settings** to define warning settings and save the GPS position
- Display** to access the display settings

(For more information, see paragraph 7.4.)

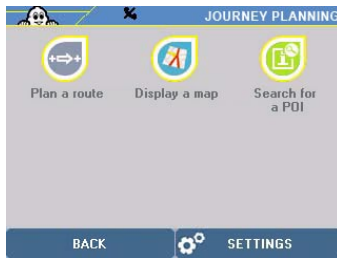


3.3 Last route

This option takes you directly to the navigation screen to follow the last route calculated, including the stages you previously saved. *For more details, read Chapter 10 - Notes and Tips.*

4_Plan Your Journey

In the Main Menu, click “**Plan your journey**”.



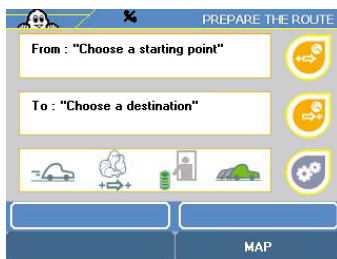
You can then plan your journey by one of 3 methods:

- Plan a Route** to specify a departure and arrival point
- Display a Map** to select your departure and arrival points directly on the map
- Search for a POI** to plan a route to or from a POI



4.1 Plan a Route

Click “**Plan a Route**”.



You access a screen identical to “**Route Summary**”, where you must indicate the departure and arrival point instructions. To do this, click on the icons at the bottom of the screen. The first orange icon at the top right is the departure point. The second orange icon as the arrival point and the last blue icon on the right is the route settings icon.

Clicking on the button opposite the departure point or the arrival point gives you six choices for selecting them:

- towards an **Address**
- towards a **POI**
- by **Selecting a place directly on the map**
- in **My ViaMichelin**
- in the **History** of the last 15 journeys made
- by indicating **GPS coordinates**

4.1.1 Address

Click “**Address**”.

You can then search either by:

- “**Zip code**” *(For more information, see paragraph 3.1.1.1.)*
- “**Town**” *(For more information, see paragraph 3.1.1.2.)*

4.1.2 POI

Click “**POI**”.

Click the POI category you want.

You can then search according to 4 criteria:

- Town** to search for a POI in the town you choose ([For more information, see paragraph 3.1.2.1](#))
- GPS Position** to find a POI near the position - in a straight line—established by the GPS
([For more information, see paragraph 3.1.2.2](#))
- Departure** to select a POI near the departure point ([For more information, see paragraph 3.1.2.2](#))
- Destination** to select a POI near the arrival point ([For more information, see paragraph 3.1.2.2](#))

4.1.3 Select on Map

Click “**Select on Map**”.

([For more information, see paragraph 3.1.3.](#))

4.1.4 My ViaMichelin

Select the departure or arrival point from:

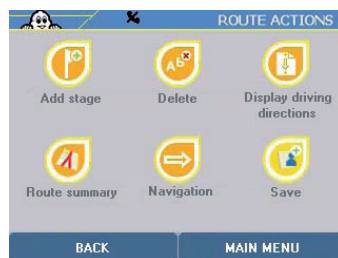
My Favorites / My Personal Folders in one of the predefined categories:

- **Addresses**
- **Hotels**
- **Restaurants**
- **Tourism**
- **My POIs**

([For more information, see paragraph 3.1.4.](#))

To save a route from the “**Plan Your Journey**” menu:

- Select a departure point and destination in the route preparation screen
- Click the “**Route Actions**” button at the bottom left of the screen:
- Select the “**Save**” option to add it to “**My ViaMichelin**”
- Select the personal folder in which you want to save it, then fill in the choice of name.



Once you have saved a route, it is possible to find it again to view it on a map or to change it by adding stages, for example. To do this:

- Click “**Routes**” from “**My Favorites**” or another personal folder.
- The next screen presents the routes saved in this folder to you; choose one of these routes.

4.1.5 History

Click “**History**”.

The list of the last 15 destinations is displayed. Click the address you want or click “**Back**” to return to the previous screen.

([For more information, see paragraph 3.1.5.](#))

4.1.6 GPS Coordinates

Click “**GPS Coordinates**”.

([For more information, see paragraph 3.1.6.](#))

Click on the route settings button to access the tables directly. Use these to change the 4 route calculation criteria.

4.1.7 Mode

Here you have the choice between 3 navigation modes:

- Car** to calculate routes that can be taken by car.
- Pedestrian** to calculate the journey ignoring one-way streets and using pedestrian streets.
- Bicycle** to calculate routes suitable for this mode of transport.

4.1.8 Type of route

Here you have the choice between 3 types of route:

- Recommended** “Recommended” routes are designed to favour comfort and safety while offering a good compromise between time and distance.
- The quickest** “The quickest” route offers the best journey time by giving priority to major networks.
- The shortest** “The shortest” route optimises distance.

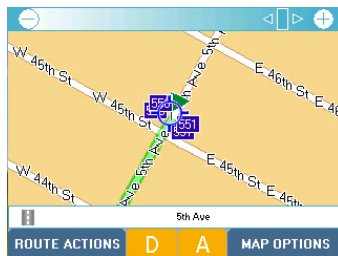
4.1.9 Tolls

You can either “Authorise” routes with toll roads to be calculated or “Avoid” them. The calculation will then search for a journey that avoids toll roads, but without making the route too much longer.



4.2 Display a Map

Click “Display a Map”. The system displays the map, centered either on the location marker, the system’s GPS position, or on the last route worked out, etc. depending on the last operation performed when this function was used.

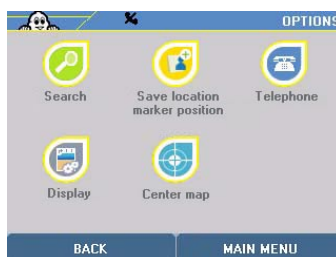


You can now access the following menus:

- Map Options** to access different search and display options.
- Route Actions** to access the screens to prepare a route (only accessible if the system has already calculated a route).
- Main Menu** to go back directly to the system home page if no route has been calculated.

4.2.1 Map Options

Click “Map Options”.



You can now do the following:

- Search** Save the position of the location marker
- Telephone** Display
- Center**

4.2.1.1 Search

Click **“Search”**.

You can select one of 6 search modes:

Address	<i>For more information, go to paragraphs 4.1.1.</i>
POI	<i>For more information, go to paragraphs 4.1.2.</i>
Select on Map	<i>For more information, go to paragraphs 4.1.3.</i>
My ViaMichelin	<i>For more information, go to paragraphs 4.1.4.</i>
History	<i>For more information, go to paragraphs 4.1.5.</i>
GPS Coordinates	<i>For more information, go to paragraphs 4.1.6.</i>

4.2.1.2 Save the position of the location marker

Click **“Save the position of the location marker”**.

You can then save this location in:

My Favorites / My personal folders (in one of the predefined categories).

My POIs

Click the category in which you want to save the position established by the location marker.

Enter the name you want to give to your saved address.

Click **“OK”** to save the address or click **“Cancel”** to go back to the map.

4.2.1.3 Telephone

Click **“Telephone”**.

You can select one of 4 telephony options:

Dial

Call Log

Quick Dial

Telephone Options

Comment:

To use the telephone options, you must have established the Bluetooth connection between your ViaMichelin Navigation X-970 and your phone. (For more information, see paragraph 6.3.)

1. Dial

Click **“Dial”**.

Enter the digits of the telephone number you want to dial.

Click **“Call”** to call the party or click **“Back”** if you want to return to the previous screen.

If you have not established the Bluetooth connection between your ViaMichelin Navigation X-970 and the telephone, the system displays the message **“Connection failed”**. Click **“OK”** to return to the previous screen.

Otherwise the message displayed is **“Call in progress ... xxxxxxxx”**.

Click **“Hang Up”** or click the red telephone icon to end the call or click **“Back”** to return to the previous screen.

2. Call Log

Click **“Call Log”**.

- Click the telephone beside the number selected to automatically redial your party.

3. Quick Dial

Click **“Quick Dial”**.

Click **“Add”** to add one of the five numbers from the Quick Dial list.

Enter a name.

Click **“OK”** to save the name you entered or click **“Back”** to return to the previous screen.

Enter the associated telephone number.

Click **“OK”** to save the name you entered or click **“Back”** to return to the previous screen.

Click your party's name to access the following options:

Call to call the party's number

Change to change the name or the number saved

Delete to delete the name and telephone number from the list of 5 quick dial numbers.

Simply click the option to carry out the task.

Comment:

This lets you save the number “911”, for example, which is the U.S. emergency number.

4. Telephone Options

Click **“Telephone Option”**.

You can select 3 options:

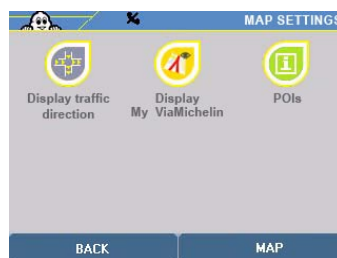
Activate/Deactivate Bluetooth to establish or cut off the Bluetooth connection.
(For more information, see paragraph 6.3.1.)

Connect Telephone to associate one or more phones with your ViaMichelin Navigation X-970.
(For more information, see paragraph 6.3.2.)

Telephone Sound to adjust the telephone volume and ring tone on the speaker located in the base of the device. *(For more information, see paragraph 6.3.3.)*

4.2.1.4 Display

Click **“Display”**.



You can select 3 options:

Display traffic direction / display street names

Display My ViaMichelin

Display POIs

1. Display traffic direction/street names

Click **“Display Traffic Direction”**

The system displays the maps with symbols showing the direction of traffic on the streets:

- > or < indicates the traffic direction in a one-way street.
- o indicates a street where a section is not accessible to cars (pedestrian streets, private roads, no through roads, etc.)

The name of the street where the location marker is positioned and the number of the section selected on the map are always displayed at the bottom of the screen.

Click “**Display Street Names**”: the system displays the maps again with the street names.

2. Display My ViaMichelin

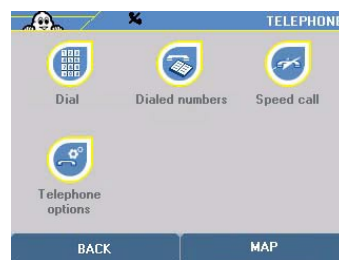
- Click “**Display My ViaMichelin**”.
- Tick the boxes beside the saved address categories you want to see on the map.
- Click “**Select/Unselect all**” to see all or none of the categories of saved addresses.
- Click “**More criteria**” to display the lists of categories present in the “**My Favorites**” or “**My POIs**” options to select them individually.
- Click “**Select all**” / “**Unselect all**” to select or unselect all the boxes.

3. Display POIs

Click “**Display POIs**”.

Tick the boxes beside the POI categories you want to see on the map. Some categories of POI contain submenus that can be displayed independently. Click “**More criteria**” to access these subcategories.

E.g.: If the “**Green Guide**” category is selected, all 7 POI subcategories will be displayed. But it is possible to select only certain subcategories—e.g. Museums—to limit the number of POIs displayed on the map.



- Click “**Unselect all**” if you don’t want to display any of the POI categories.

Comment:

This lets you save the number “911”, for example, which is the U.S. emergency number. In navigation, displaying a very large number of POIs may call on the device’s resources and reduce the smoothness of the dynamic display. You are therefore recommended to display the POIs you need for the route calculated.

For more details, read paragraph “10 - Notes and Tips”.

4.2.1.5 Center

You can only access this option if a route has been calculated.

Click “**Center**”.



You can ask to center the map:

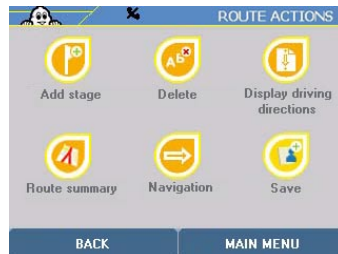
On your departure point to position the location marker on your departure point.

On your arrival point to position the location marker on your arrival point.

On the route to display the map with a zoom level calculated automatically by the system to allow you to view the whole of the route highlighted in green.

4.2.2 Route Actions

Click **“Route Actions”**.



You can now do one of 6 operations:

Add a Stage to select one or more intermediate stages in the calculated route.

Delete Route to delete the last route calculated.

Display Driving Directions to display the interactive driving directions.

Route Summary /

Display a Map to return to the “Route Actions” screen and the route setting summary, or to display the route map.

Navigation to activate navigation.

Save To save the route calculated in “My ViaMichelin” in the “My Favorites” option.

4.2.2.1 Add a Stage

Click **“Add a Stage”**.

You can add a stage by specifying it using one of 6 search modes:

Address *For more information, go to paragraphs 4.1.1.*

POI *For more information, go to paragraphs 4.1.2.*

Select on Map *For more information, go to paragraphs 4.1.3.*

My ViaMichelin *For more information, go to paragraphs 4.1.4.*

History *For more information, go to paragraphs 4.1.5.*

GPS Coordinates *For more information, go to paragraphs 4.1.6.*

On the map, you will see a small purple flag to symbolise the stage.

4.2.2.2 Delete Route

Click **“Delete Route”** to delete the last route calculated. The system will display the map with the location marker placed on the last position you selected.

Comment:

Deleting a route deletes the displayed map route but does not delete the “History” departure and arrival points.

4.2.2.3 Display / Hide Driving Directions

Use this function to split the part of the screen used to display the map so that there is an area above the map showing:

The distance covered

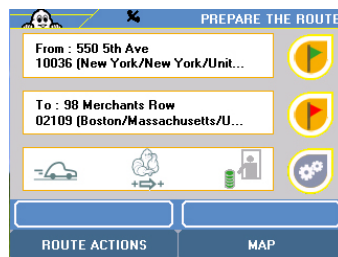
The total journey time

The change of direction instructions

- Click “**Display/Hide Driving Instructions**” to display or hide the driving instructions above the map.
- Click the direction arrows to the right of the driving instructions for changes of direction and to automatically display the map on the place cited.

4.2.2.4 Route Summary / Display a Map

Click “**Route Summary**”.



- Click one of the icons displayed on the right of the screen to change the settings of the last route calculated.
- Click “**Map**” to display the route map or “**Route Actions**” to return to the corresponding screen: the “**Route Summary**” screen is then replaced by “**Display a map**”, which lets you display the route map directly.

When preparing a route, some functions are available when you click a place icon:

- | | |
|------------------|--|
| Delete | deletes the selected place. If the route has only one departure and arrival point, this function will not be accessible. |
| Change | lets you change the place. |
| Save | lets you save the selected place directly in “My Favorites” or “My POIs”. |
| Move up | lets you switch a place to the previous stage of the route. |
| Move down | lets you switch a place to the next stage of the route. |

4.2.2.5 Navigation

Click “**Navigation**”.

You now have a choice of 2 menus:

- | | |
|------------------------|---|
| Navigation | to start GPS-guided navigation. |
| Navigation Demo | to simulate navigation on the route calculated. |

1. Navigation

Click “**Navigation**”.

- Click one of the icons displayed on the right of the “**Current route**” screen to change the settings of the last route calculated.
- Click “**Navigation**” to start GPS-guided navigation or on “**Route actions**” to go to the corresponding contextual screen.

2. Navigation Demo

This function simulates navigation on the planned route by simulating reception from 7 satellites and a speed based on the table of average speeds for the type of road.

- Click **“Navigation Demo”**.
- Click one of the icons displayed on the right of the **“Current route”** screen to change the settings of the last route calculated.
- Click **“Navigation”** to start GPS-guided navigation or on **“Route actions”** to go to the corresponding contextual screen.

The navigation screen is identical to the one displayed during a journey. Clicking on the screen will take you to the navigation settings. (*For more information, see Chapter 6.2*)



4.3 Search for a POI

- Click **“Search for a POI”**.
- Click the POI category you want. You can use the direction arrows to view the whole list of POI categories available on your system.

You then have 4 search options:

Address to find a saved address.

GPS Position to find a saved address near the position established by the GPS.

Departure Point to select a saved address near your departure point.

Arrival Point to select a saved address near your arrival point.

For more information, see paragraph 3.1.2 and following paragraphs.

- Click the POI you want. They are classified in order of decreasing proximity—in a straight line—to the point selected. (*For more information on POI presentation, see paragraph 9.1.2.*)

4.3.1 GPS Position, Departure Point or Arrival Point

- Click **“GPS Position”**, **“Departure Point”** or **“Arrival Point”**.

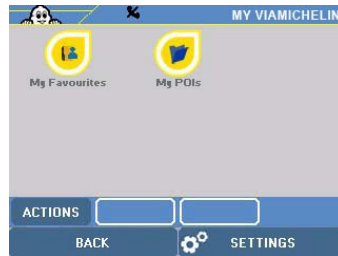
The screen displays a list of POIs classified in order of decreasing proximity – in a straight line – to the GPS position.

- Click the POI you want.
- Click on **“Refine”** if you want to run a search. (*For more information, see paragraph 3.1.2.1.*)

For more details, read section 10_Notes and Tips.

5_My ViaMichelin

- In the **Main Menu**, click “My ViaMichelin”.



You can select one of the following choices:

- **My Favorites/Personal folder** to find and locate an address saved in “My Favorites” or a personal folder.
- **My POIs** to find and locate a POI saved in this option.
- **Actions** lets you display and be alerted about POIs of the folders of your choice.

Comments:

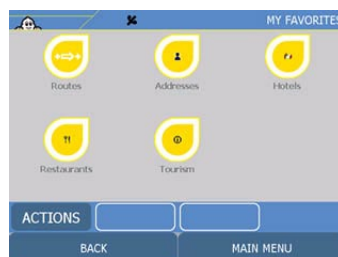
- Your **“Personal folders”** are generated with the same sub-folders as the **“My Favorites”** folder. If you have created **“Personal folders”** the explanations given below for the **“My Favorites”** folder will let you perform the operations you want.
- The **“My ViaMichelin”** includes at least the two folders: **“My Favorites”** and **“My POIs”**. You can add to the content of **“My Favorites”** directly from your GPS or by exporting data from the ViaMichelin web site.
- You can add to the **“My POIs”** by downloading **“.asc”** files from web sites and exporting them to your GPS using the **“Content Manager”** application.
- An unlimited number of personal folders can be created in the **“My ViaMichelin”** option from your personal **“My ViaMichelin”** space on the web site or from the **“Content Manager”** program only. You can then add to their content either from the web site or directly from you GPS.



5.1 My Favorites

“My Favorites” is a unique file, which is located in the **“My ViaMichelin”** menu by default. This cannot be deleted or renamed. You can save all your favorite addresses and routes that you use regularly in this folder.

- Click **“My Favorites”**.



You can select one of 5 menus:

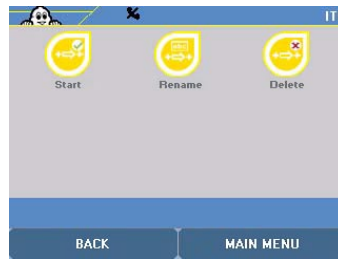
- **Routes** to save your favorite routes or ones from the ViaMichelin web site.
- **Addresses** to save the address coordinates of your choice.
- **Hotels** to save your favorite hotels or ones from the ViaMichelin web site.
- **Restaurants** to save your favorite restaurants or ones from the ViaMichelin web site.
- **Tourism** to save your favorite tourist sites or ones from the ViaMichelin web site.

The ViaMichelin web site can be accessed at: <http://www.ViaMichelin.com>

5.1.1 Routes

This category offers you all the routes saved directly from your GPS or exported from the ViaMichelin web site. This folder is empty if you have not saved any routes.

- Click **“Route”**.



5.1.1.1 Start

- Click **“Start”**.

The summary screen shows you the saved route with departure point, arrival point and any stages selected. You can view your route on a map, add or delete stages or change departure or arrival points.

5.1.1.2 Rename

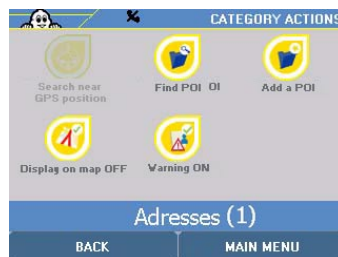
- Click **“Rename”**. You can then rename your saved route.

5.1.1.3 Delete

Click **“Delete”**. This will permanently delete the route in the My ViaMichelin folder.

5.1.2 Addresses

- Click **“Address”**.



You can now perform the following operations:

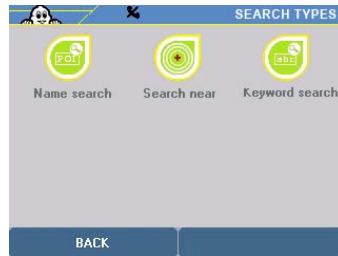
- **Search near GPS position**
- **Search for a POI**
- **Add a POI**
- **Display on map ON**
- **Warning ON**

5.1.2.1 Search near GPS position

- Click **“Search near GPS position”**.

5.1.2.2 Find POI

- Click “**Find POI**” (for more information, see paragraph 3.1.2).



5.1.2.3 Add a POI

- Click “**Add a POI**”.



You can search either by:

- **Address**
- **POI**
- **Select on map**
- **My ViaMichelin**
- **History**
- **GPS Coordinates**

Once you have saved your address, select the folder in which you want to save it, then click “**OK**”. This address is then added to your “**My ViaMichelin**” folder.

5.1.2.4 Display on map ON/OFF

- Click “**Display on map ON/OFF**”.

The POIs of the selected folder will or will not be displayed on the map. When a directory’s POIs must be displayed on the map, a small eye is displayed next to the folder in question.

5.1.2.5 Turn off / Turn on Warner

- Click “**Warner ON/OFF**”.

The POIs of the selected folder will or will not be indicated by an alarm signal when passing near them. When you decide to spot POIs from a folder when passing near them, a small signposting triangle is displayed next to the name of the folder concerned.

5.1.3 Hotels

- Click “**Hotels**”: you will find the same functionalities as in the “**Addresses**” option (§ 5.1.2).

5.1.4 Restaurants

- Click “**Restaurants**”: you will find the same functionalities as in the “**Addresses**” option (§ 5.1.2).

5.1.5 Tourism

- Click “**Tourism**”: you will find the same functionalities as in the “**Addresses**” option (§ 5.1.2).



5.2 My POIs

- Click “**My POIs**”.

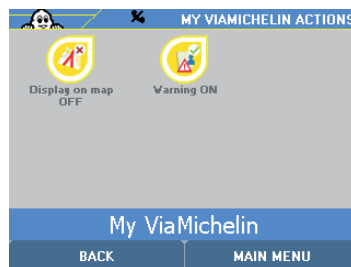
This folder groups together all the “*.asc” POIs downloaded from web sites using the “**Content Manager**” application. (For more information, see paragraph 13.3.5) They are presented as categories.

When this folder contains “*.asc” files you can access the following actions by clicking a POI category.



5.3 Actions

- Click the “**ACTIONS**” button.



You can then:

- Display on map ON/OFF to display or not display the POI contents:
- Turn off / Turn on warner to switch an audible warning when passing near a content POI when passing near it on or off:
 - in “**My ViaMichelin**” (Actions in the **My ViaMichelin** screen)
 - in a “**My Favorites**”, “**Personal Folder**” or “**My POIs**” folder (Actions in a particular Folder)
 - in one of the 5 categories of a file (Actions in a particular category)

To switch “**Display on map ON/OFF**” or “**Warner ON/OFF**”:

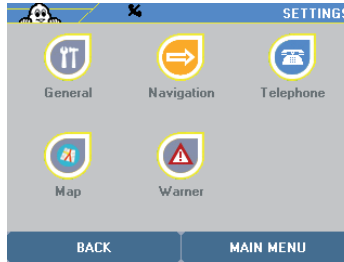
- Select “**My Favorites**” or the folder you want.
- Click “**Actions**”.
- Click “**Display on map ON/OFF**” or “**Warner ON/OFF**”.
- Click “**Back**”.

When the “**My Favorites**” POIs or POIs from a personal folder must be displayed on the map, a small eye is displayed next to the folder in question.

When you want to use an alarm signal to spot POIs from “**My Favorites**” or a personal folder when passing near them, a small signposting triangle is displayed next to the name of the personal folder concerned.

6_Settings

In the “Main Menu” click “Settings”.



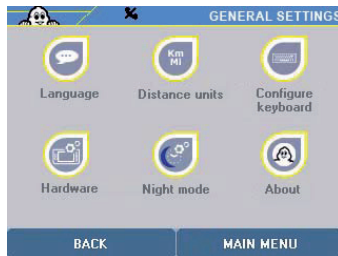
This takes you into the settings or information menus:

- **General** to find out or change system settings.
- **Navigation** to change navigation settings.
- **Telephone** to access telephony settings
- **Map** to change or delete a map.
- **Alert** to change warning settings for POIs, saved addresses or vehicle speed.



6.1 General

- Click “General”.

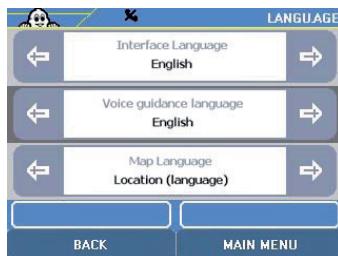


This takes you into the settings or information menus:

- **Language** to adjust the language settings for the menus, voice guidance and the map.
- **Units** to select Km or Miles.
- **Configure keyboard** to choose the type of keyboard displayed on the search screens.
- **Hardware** to change the system settings.
- **Night Mode** to adapt the screen to the exterior conditions.
- **About** to find out about the system and map version.

6.1.1 Language

- Click “Language”.



You use this option to set:

- **The Interface Language:** this is the language in which the menus are displayed. The available languages are: English US, English, French, German, Italian.
- **The Voice Guidance Language:** this is the language used in voice messages during Navigation. Here you have the choice between 6 different languages: French, English, German, Spanish, Italian, American English. If you select American English as English US (Voice Synthesis), you will activate the text to speech feature that will guide you with instructions concerning road names, directions or road signs
- **The Map Language:** this is the local language the maps are displayed in (town names, street names, etc.): French in France, Danish in Denmark, etc. In countries with several official languages (Switzerland, Belgium, etc.), this function lets you switch from one language to another. You will then need to search for towns, streets, etc. in the selected language. Your available choices are: English, French, German, Italian, Spanish.
- Click the left and right arrows to select your language.

Or

- Click the language in your chosen menu to display a list of available languages; then click the language you want.
- Click the up or down arrow to scroll through the whole list.

6.1.2 Units

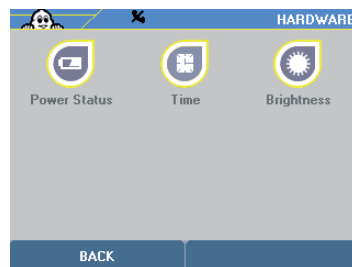
- Click “**Units**”.
- Click the left and right arrows to select the distance unit you want to use to calculate routes and to display distances on the Navigation screen. You can select: **km** (kilometres) or **miles** (1 mile = 1.609 km).

6.1.3 Configure Keyboard

- Click “**Configure Keyboard**”.
- Click the left and right arrows to choose the keyboard type displayed on the search screens. **Azerty** (French system), **ABC** (alphanumeric) or **qwerty** (English system).

6.1.4 Hardware

- Click “**Hardware**”.



You can now access the following screens:

Power Status to check the battery charge.

Time to change the system time.

Brightness to change the screen brightness.

6.1.4.1 Battery Power Status

This screen gives the percentage of “**Battery remaining**” or, if the PND is connected, the screen displays the message: “**Charging... 100%**”.

- Click “**Power Status**” to display the battery charge.

When ViaMichelin Navigation is removed from its mounting system, disconnected from the PC or from the electrical supply, a small icon in the top bar at the top of the screen gives the level of battery charge.

Comment:

- Warning: There is a risk of explosion if the battery is replaced by a battery of an incorrect type.
- Dispose of used batteries in compliance with existing law in your country.

6.1.4.2 Time

- Click **“Time”**.
 - By clicking on the left and right arrows, you can change the hours, minutes and time display system (24-hour clock or the Anglo-American AM/PM system) on your ViaMichelin Navigation X-970.
- Or
- Click the option to access the list and select the setting you want.

6.1.4.3 Brightness

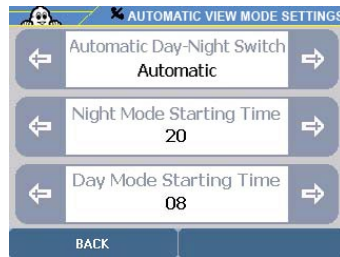
- Click **“Brightness”**.
- Click the bar to move the cursor to the desired level or click the cursor and move it to the brightness level you want for the screen.

Comment:

When ViaMichelin Navigation X-970 is used autonomously, the screen becoming less bright allows the autonomy of the device to be extended.

6.1.5 Night Mode

- Click **“Night Mode”**.



- Click the direction arrows or the information to select **“Night Mode”** from the list displayed: The screen becomes less bright and the map colors change to make the display more comfortable for night driving.
- Click the direction arrows or the information to select **“Day Mode”** from the list displayed: The screen brightens and the map colors change to give the ViaMichelin Navigation X-970 display maximum visibility in full daylight.
- Click the direction arrows or the information to select **“Automatic”** from the list displayed: You can set the start and end time for switching from day mode to night mode in the automatic night mode adjustment screen. To do this click the direction arrows or click the time you want from the list displayed. By default the switch to night mode is at 8.00 pm and the switch to day mode is at 8.00 am.
- Click on **“Back”** to return to the previous screen.

6.1.6 About

This screen tells you which version of the software is installed in your ViaMichelin Navigation X-970 and the different copyrights and map years for the maps and POIs in use.

- Click **“About”**.
- Click the direction arrows to scroll through this information.

ViaMichelin Navigation 6.6.0 (Build 42)
Version ROM 1.0101.0409 – Apr 3 2007

Cartography 2006.4
Cartography © ViaMichelin 2007
Digital Data © NAVTEQ 2006

The Data for areas of Canada includes
information taken with permission

from Canadian authorities, including:
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© Queen's Printer for Ontario,
© Canada Post Corporation,
GeoBase® Postal code information
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Points of interest include materials from infoUSA © infoUSA 2006

Hot spots © Jiwire Inc. ® 2006

RealSpeak ® Text-to-Speech Software
© 2006 Nuance Communications, Inc.

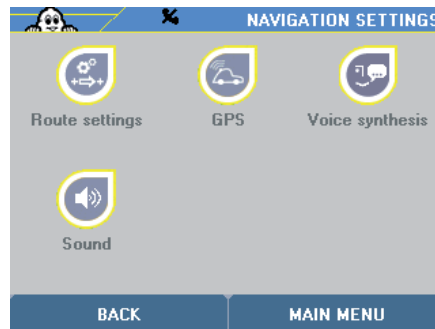
Guide © Michelin 2007
ViaMichelin Navigation Software © ViaMichelin 2007

- Click “**Back**” to return to the previous screen or click “**Main Menu**” to go to the system home page.



6.2 Navigation

- Click “**Navigation**”.



Use this screen to access menus to change some of the navigation settings:

- **Route Settings** to select the settings for calculating routes.
- **GPS** to display the GPS satellite signal reception and give the position coordinates evaluated by the GPS.
- **Voice Synthesis** to hear all the messages
- **Sound** to set the volume for the messages and signals transmitted by your ViaMichelin Navigation X-970.

6.2.1 Route Settings

- Click “**Route Settings**”.

There are 4 criteria for route settings:

- **Mode** Car / Pedestrian / Bicycle
- **Type of route** Recommended / Quickest / Shortest
(For more information, see paragraph 4.1.8.)
- **Tolls** Authorize / Avoid

- Click the left or right arrows to display the setting you want. The settings are on once you select them.
- Click “**Back**” to return to the previous screen or click “**Main Menu**” to take you back directly to the system home page.

6.2.2 GPS

- Click “GPS”.

This brings you to the screen that tells you the GPS reception status; on this screen:

The green “V” means that GPS is activated.

“NO Fix / FIX: 2D/FIX: 3D” indicates better signal reception, and therefore more accurate positioning.

“SAT”: indicates the number of satellites used to calculate your position.

The vertical bars show the satellites detected:

- **grey** the device is receiving satellite signals but cannot use them to establish your position.
- **green** the device is using the satellite signals to calculate your position.
- The numbers under the vertical bars give the number of the American satellite.

Coordinates: longitude and latitude calculated by the system.

Direction arrow: shows the direction of travel between 2 position calculations by the GPS.

- Click on “Back” to return to the previous screen.

Comment:

The ViaMichelin Navigation X-970 is fitted with an SiRF Star III type GPS, the latest generation of GPS, which works even in poor reception conditions.

After selecting a destination and before the navigation instructions show your route, the GPS must have three pieces of information to calculate the route: the position, direction of travel and speed. You may consult the GPS screen on your mobile device to follow the GPS signal acquisition.

The time the GPS takes to acquire this information varies depending on how much time has elapsed since the device was last used:

- your ViaMichelin Navigation X-970 has not been switched on for **more than 24 hours** (“cold start”): in this case the time needed to acquire satellite signals may be quite long (10-15 minutes), and the message “Satellite detection. This may take several minutes” is displayed on the navigation screen.
- your ViaMichelin Navigation X-970 has not been switched on for **more than 4 hours** (“warm start”): GPS reception may take several minutes (5 minutes) and the message “Satellite signal acquisition in progress” is displayed on the navigation screen.
- you switch on your ViaMichelin Navigation X-970 after switching it off a **few minutes ago** (“hot start”): satellite reception is almost immediate and navigation can continue.

GPS acquisition time also varies depending on the surroundings:

- **athermic windscreens:** if your vehicle is equipped with an athermic windscreen, GPS reception may be slower.
- **car park/tunnel/building:** satellite signals do not travel through walls, so you will not receive a GPS signal if your device is in a building, car park, tunnel, etc.
- **urban “canyoning”:** reception will be slower in urban areas if buildings are high, streets narrow or there are a lot of trees. Go to an open space to improve reception.
- **weather conditions:** in poor weather (heavy snow, etc.), GPS reception may take slightly longer.

When using ViaMichelin Navigation X-970 for the first time, we advise you to do so in an open space in order to ensure the best possible satellite reception. Activating the GPS system for the first time can take several minutes, depending on the surroundings and the quality of the GPS signals.

6.2.3 Voice Synthesis

6.2.4 Sound

- Click “Sound”.
- Click the left or right arrows to select the setting you want: “Sound” and “Sound Setting”.

The first Sound setting offers the following choices

on= the sound on

off= switch the sound off

specific to car radio

The second Sound setting allows to select a different volume for each of the following

General	to select maximum volume on alert messages.
Voice instructions	for voice guidance during Navigation.
POI Warner	to tell you when you are near a POI.
Speed Warner	warns the driver when s/he exceeds the speed limit set for the particular type of road.
Telephone	for the telephone volume
Telephone Ring Tone	to adjust the telephone ring tone volume.

- Click the volume bar to move the cursor to the desired level (to the left = minimum volume, to the right = maximum volume) or click the cursor and move it to the volume level you want. Use the “**Test**” button to check the sound level.



6.3 Telephone

Please consult the list of compatible phones using the following link : <http://viamichelin.us/x970compatiblephones.html>

- Click “**Telephone**”.

You can now access the following 3 options:

- **Activate / Deactivate Bluetooth**
- **Connect Telephone**
- **Telephone Sound**

6.3.1 Activate Bluetooth®

- Click “**Activate Bluetooth**” to enable the Bluetooth connection between your ViaMichelin Navigation X-970 and your phone.

Comment:

If the **Bluetooth** option on your ViaMichelin Navigation X-970 is not activated, the “**Connect Telephone**” and “**Telephone Sound**” icons will be shaded and not enabled.

- Click “**Deactivate Bluetooth**” to disable the Bluetooth connection between your ViaMichelin Navigation X-970 and your phone.

Comment:

If you click “**Deactivate Bluetooth**” when there is an active Bluetooth connection with a telephone, the message, “**Deactivation of Bluetooth will lead to disconnection of the telephone currently connected. Do you want to continue with this operation?**” is displayed. Click “**Yes**” if you want to actually deactivate Bluetooth, otherwise click “**No**”.

6.3.2 Connect Telephone

- After you activate the Bluetooth connection, click “**Connect Telephone**”.
- Activate Bluetooth on your mobile phone.
- Click “**Add**” to start detection of Bluetooth® devices by your ViaMichelin Navigation X-970.
- Click the name of your phone.
- When the system displays the message, “**If your phone requires a code, please enter 1 2 3 4**”, click “**OK**”.
- If your phone requires a PIN code to work with “**ViaMichelin**”, enter “**1 2 3 4**” and confirm.
- When you see the message displayed on your ViaMichelin Navigation X-970, “**Pairing successful. Do you now want to connect this phone to make it your default phone?**”, click “**Yes**” if you want the selected phone to be your default phone, otherwise click “**No**”.
- Confirm the audio connection with “**ViaMichelin**” on your phone.
- When the message “**Connection successful**” appears on your ViaMichelin Navigation X-970, click “**OK**”.
- Click “**Back**” to return to the previous screen or click one of the buttons on ViaMichelin Navigation to directly access the function you want.

To delete a phone from the list of paired phones, display the page and click the telephone you want to delete from the list.

You can then:

- **Disconnect** to cut off the Bluetooth connection
- **Delete** to delete the phone from the list of devices recognised by your ViaMichelin Navigation X-970.

Comment:

When a phone has been connected to ViaMichelin Navigation X-970T, a small phone will be shown in the top bar. If not, the icon is crossed out.

6.3.3 Telephone Sound

- Click **“Telephone Sound”**.

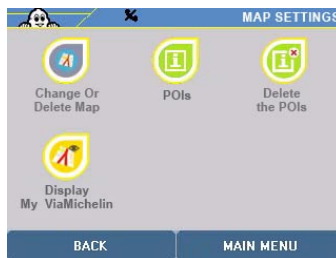
You can change the volume for:

- **Telephone Sound**
 - **Telephone Ring Tone**
- Click the volume bar to move the cursor to the desired level or click the cursor and move it to the volume level you want.



6.4 Map

- Click **“Map”**.



This takes you into the settings or information menus:

- **Change or Delete Map** to change the displayed map or delete a map from the SD card.
- **POIs** to select the categories of POI displayed on the map.
- **Delete POIs** to delete POI categories from your PND.
- **Display My ViaMichelin** to access the **My Favorites** and **My POIs** options.

6.4.1 Change or Delete Map

- Click **“Change or Delete Map”**.

You can then:

- **Change Map** to display another map from the SD card.
- **Delete Map** to delete one of the maps saved on the SD card.
- Click **“Change Map”** or **“Delete Map”**.

The SD card supplied with your ViaMichelin Navigation X-970 comes with these map systems:

Country.fdp [Storage Card] this is the map of the country indicated.

Hawaii.fdp [Storage Card] this is the map of the Hawaiian Islands.

NorthAmerica.FDP [Storage Card] this is the map for the United States and Canada.

- Click the map file you want. The message **“Are you sure you want to change the map?”** or **“Are you sure you want to delete this map?”** appears.
- Click **“Yes”** to confirm your choice or **“No”** to return to the list.

- Click **“Main Menu”** to return to the previous screen or click **“Back”** to go to the previous screen. You may subsequently restore the maps deleted from a PC using the **“Content Manager”** programme.

6.4.2 Display POIs

Use this option to select the POIs that will be displayed on the map (given the right zoom level).

- Click **“POIs”**.

Some POI categories can be detailed and displayed separately in one of the subcategories provided. Click **“More details”** to access a list of these subcategories.



Example: If the **“Health services”** category is selected, all 4 POI subcategories will be displayed. But, it is possible to select only certain subcategories – e.g. Dentist / Doctor / Pharmacy / Hospital-Clinic – to limit the number of POIs subsequently displayed on the screen.

- Tick the POI category boxes that you want to see displayed on the map (given the right zoom level).
- Click **“Deselect all”** to display none of the POI categories.

Comment:

In navigation, displaying a very large number of POIs may call on the device’s resources and reduce the fluidity of the dynamic display. You are therefore recommended to display the POIs you need for the route calculated.

6.4.3 Delete POIs

Use this option to delete some POI categories from the SD card. The system also deletes the POIs in the deleted categories and will no longer display them.

- Click **“Delete POIs”**.
- Click the POI category you want to delete.
- When the system displays the message **“Are you sure you want to delete this POI?”**, click **“No”** if you do not want to delete the selected POI category and go back to the **“Map Option”** screen, or **“Yes”** to confirm deletion of the selected POI category.
- Click on the direction arrows to view all the available POI categories presented or on **“Back”** to return to the previous screen.

You may subsequently restore the POIs deleted from a PC using the **“Content Manager”** program.

6.4.4 Display My ViaMichelin

This option allows you to select the categories of saved addresses that will be displayed on the map.

- Click **“My ViaMichelin”**.

You can now choose to display your POIs from the options:

- **My Favorites / My personal folders**
- **Addresses**
- **Hotels**
- **Restaurants**
- **Tourism**
- **My POIs**
- Click “**More details**” to access the subcategories.
- Click “**Deselect all**” to display no POI category.



6.5 Warner

- Click “**Alert**”.

You can change the following options:

- **Speed warning** use this option to set the speed beyond which the warning signal will sound, depending on the 4 road categories programmed in the system.
- **POI Warner** emits an audible warning when passing near a POI.
- **My ViaMichelin warning** emits an audible warning when passing near a saved address.
- **Warning Signal** use to set the sounds for the various warners.

6.5.1 Speed warning

- Click “**Speed warning**”
- Click the left or right direction arrows to select the setting you want, depending on the type of road selected, or click the speed to select the desired speed from the list.
- Click on “**Activate** ”/”**Desactivate** ” at the bottom right of the screen to switch this function on and off.

The default speeds in the “**Speed warning** ” table are:

Highways	130 km/h	80 Mph
Expressways	110 km/h	70 Mph
Roads	90 km/h	55 Mph
Towns	50 km/h	30 Mph

The range of speed limit settings for the type of road is between 30 kph and 180 kph or between 25 mph and 110mph.

This function takes account of the type of road given in the map database without adding more detail about the surroundings or special features of a section.

For example:

A highway may be limited to 55 mph on some sections instead of 70 mph by default. When the map database identifies an “**expressway**” it will not indicate the section limited to 55 mph. A “**road**”, on the other hand, may have the same speed limit as an expressway in some places. The **Speed Warner** will then indicate excess speed although the traffic regulations authorize this speed.

“**Speed warning** ” should therefore be used for information, but as with all navigation information supplied by your ViaMichelin Navigation X-970, this information is subject to traffic regulations.

6.5.2 POI Warner

- Click “**POI Warner**”.
- Tick the boxes by the POI categories for which you want to trigger an audible signal when they are nearby:
- Click “**More details**” if you want to break your selection down into subcategories of POIs.
- Click “**Deselect All**” to switch off warners on all POI categories.

Activating a “**POI Warner**” for a POI category leads to POIs of this category being displayed.

6.5.3 My ViaMichelin Warning

- Click **“My ViaMichelin Warning”**.
- Tick the boxes by the categories of saved addresses for which you want to trigger an audible signal when they are nearby:
- Click **“More details”** if you want to break your selection down into subcategories of POIs.
- Click **“Select all”** to tick the option to display all the icons for all categories of saved addresses, or click **“Deselect all”** if you want none to be displayed.

6.5.4 Radar Off / On

- Click **“Radar off”** to turn off the audible signal when passing near a fixed speed camera located by ViaMichelin.
- Click **“Radar on”** to have two audible signals when passing near a fixed speed camera located by ViaMichelin: the first sounds 30 seconds before you reach the location and the second at 10 seconds away.

6.5.5 Warning Sound

- Click **“Warning Sound”**.

You can then set warning sounds by category:

- **Speed Warner** warns the driver when s/he exceeds the speed limit set by type of route.
 - **POI Warner** to tell you when you are near a POI.
 - **Speed Camera Warner** to tell you when you are near a fixed speed camera POI.
 - **Saved Address Alert** to tell you when you are near a saved address.
-
- Click on the up or down arrows to turn warnings **“ON”** or **“OFF”**.

7_Navigation Screens

There are three aspects to the **Navigation Screen**:

- **a map screen** this is a standard 2D or 3D navigation screen.
- **a schematic screen** this gives a diagram of the route to be taken next time you change direction.
- **a mixed screen** the screen is split to display the standard screen on the right and the schematic screen on the left.
- To change the screen, click in the navigation area of the screen you want to expand it over the full screen or return to the mixed screen.



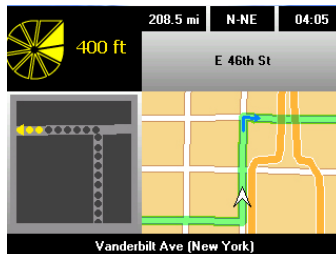
7.1 Mixed Screen



The mixed screen displays the graphic navigation screen on the right and on the left the indicator showing the distance to the next change of direction as well as the schematic screen navigation map.



7.2 Map Screen



Above the map:

Three top fields are available to show, depending on the setting:

- **Distance Remaining**
- **Time Remaining**
- **Arrival Time**
- **Time**
- **Speed**
- **Direction**
- To choose which information to show, click one of the three top positions, and then click the position you want to change. Then select the indicator you want.

Under the map:

- **On the left** the number of satellites used by the GPS for determining the position.
- **In the middle** the name of the street you are on.

7.2.1 Distance Remaining

This is the distance remaining to the arrival point, given in kilometers or miles depending on the distance unit selected.

7.2.2 Time Remaining

This is the time remaining until arrival. This time is assessed on the basis of the distance remaining and the average speeds set in your ViaMichelin Navigation X-970, excluding any stops or breaks (strongly recommended for safety reasons).

7.2.3 Arrival Time

This is the time of arrival calculated on the basis of the journey distance and time assessed by the system, excluding any stops or breaks (strongly recommended for safety reasons).

7.2.4 Time

This is the local time based on the time entered when the program was installed in your ViaMichelin Navigation X-970.

7.2.5 Speed

This is the speed computed by the GPS between 2 position calculations, expressed in kph or mph depending on the distance units selected.

7.2.6 Direction

This is the current direction of travel based on the 16-point compass dial.



7.3 Schematic Screen



On the left, from top to bottom:

- The indicator showing the distance remaining to the next change of direction.
- The next route.
- Three fields that can be set up (For more information, read the comments in paragraph 7.2.)

On the right-hand side:

- the map of the next change of direction with a dotted line that progressively disappears according to distance to the change of direction and vehicle position.

On the bar at the bottom of the screen:

- **On the left** the number of satellites used by the GPS for determining the position.
- **In the middle** the name of the street you are on.

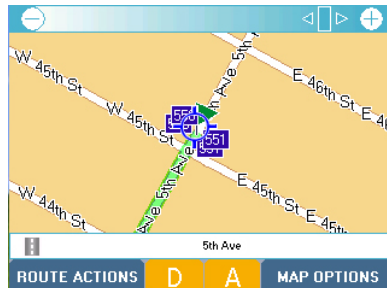
Click the navigation screen to access 6 options:

- **Free Navigation** to go to free navigation.
- **Route Summary** to change a route planning criterion.
- **Telephone** to access telephone options.
- **Sound** to switch off messages and navigation warnings.
- **Settings** to access navigation options.
- **Display** to change the screen display settings.



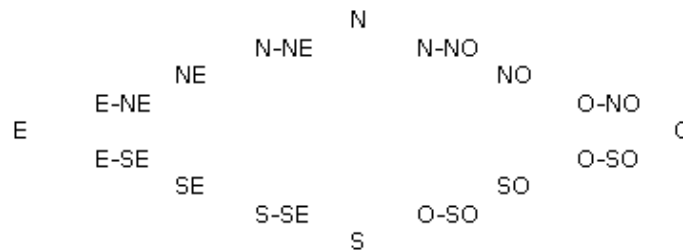
7.4 Free Navigation

Click “Free Navigation”.



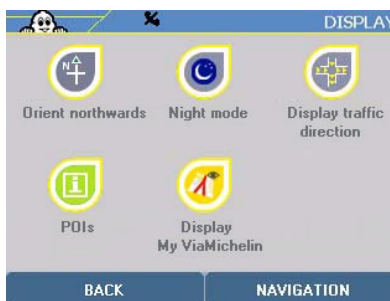
The map is displayed and the location marker becomes an arrow to show the vehicle's position and direction of travel.

- Click “**Navigation Actions**” if you want to access navigation options and settings or click “**Main Menu**” to take you back directly to the system home page.



You can select the following options:

- **Back to Navigation** to return to the navigation screen
- **Telephone** to access telephone settings (*For more information, see paragraph 6.3.*)
- **Sound** to access the sound settings screen (*For more information, see paragraph 6.2.3.*)
- **Options** to access “**Warnings**” and “**Save the GPS position**” (*For more information, see paragraph 6.5*)
- **Display** to change the screen display settings:



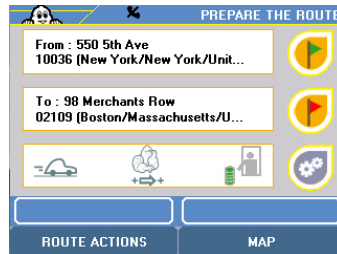
- **Orient Northwards / Orient in the direction of traffic** to determine the direction of the map when navigating.

- **Night Mode** *for more information, see paragraph 6.1.5*
- **Display Traffic Direction/Display Street Names** *for more information, see paragraph 4.2.1.4*
- **POIs** *for more information, see paragraph 6.4.2*
- **Display My Viamichelin** *for more information, see paragraph 6.4.4*



7.5 Route Summary

- Click “Route Summary”.



This brings you to the screen summarizing the information selected to calculate the route. Clicking one of the icons on the right of the screen lets you change your choice of criteria for new instructions.

For more details, read paragraph “10 - Notes and Tips”.



7.6 Telephone

- Click “Telephone”.

You can now access the following options:

- **Dial** *for more information, see paragraph 4.2.1.3.1*
- **Call Log** *for more information, see paragraph 4.2.1.3.2*
- **Quick Dial** *for more information, see paragraph 4.2.1.3.3*
- **Telephone Options** *for more information, see paragraph 4.2.1.3.4*



7.7 Sound

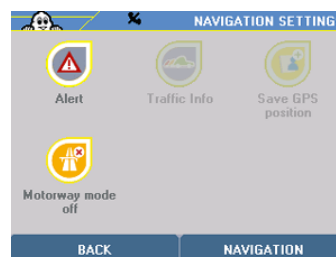
- Click “Sound”.

This brings you to the sound settings screen (*For more information, see paragraphs 6.2.3. and 6.2.5).*



7.8 Options

- Click “Options”.



You can access the following options:

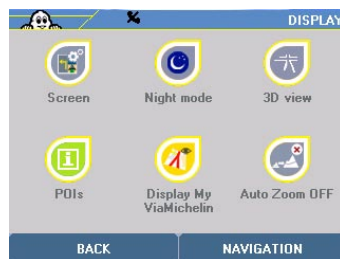
- **Warners** to access warning settings screens (*For more information, see paragraphs 6.2.3 and 6.2.5*).
- **Turn Off / Turn On Motorway Mode** When the “**Motorway Mode**” is on, when the vehicle takes a motorway or major road and no change of direction is programmed within the next 50 kilometres, the navigation screen switches automatically to 2D map mode after displaying the message “**Next instruction in xxx km. Turn On Motorway Mode**”. The voice instructions are then turned off until the next change of direction.

For more details, read paragraph “10 - Notes and Tips”.



7.9 Display

- Click “**Display**”.



You can select the display settings for navigation:

- **Screen** to select the type of navigation screen.
- **Night Mode / Day Mode** to adapt the screen brightness level to the situation.
- **2D View / 3D View** to select the type of display for the navigation screen.
- **POIs** to display POIs (Points Of Interest)
- **Display My ViaMichelin** to adjust the settings for displaying saved addresses.
- **Auto Zoom Off/On** to fix or automatically adjust the zoom level on the navigation screen when changing direction.

7.9.1 Screen

- Click “**Screen**”.

You can choose between:

- **Schematic Screen** *for more information, see paragraph 7.3*
- **Map Screen** *for more information, see paragraph 7.2*
- **Mixed Screen** *for more information, see paragraph 7.1*

The screen you select will fill the full screen area.

If you select the schematic screen, you must click the map to go back to the mixed navigation screen first of all, then click a second time to take you to the settings screens.

7.9.2 Night Mode / Day Mode

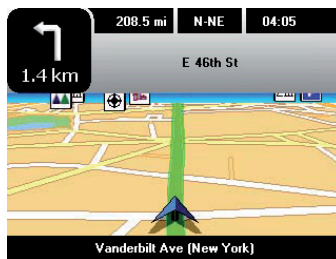
- Click “**Night Mode**” to change the screen brightness for night driving (*for more information, see paragraph 6.1.5*)
- Click “**Day Mode**” to change the screen brightness for daytime driving (*for more information, see paragraph 6.1.5*)

7.9.3 2D View/3D View

- Click “**2D View**”.

The maps displayed during navigation are shown in 2D (2 dimensions) like a paper map. In free navigation the direction of navigation can be either towards the top of the screen or to the north ([for more information, see paragraph 7.4](#)).

- Click “**3D View**”.



The maps displayed during navigation are shown in 3D, (3 dimensions) i.e. with spatial representation. 3D navigation cannot be enabled when using free navigation.

7.9.4 Display POIs

[For more information, see paragraph 6.3.2.](#)

7.9.5 Display My ViaMichelin

[For more information, see paragraph 6.3.4.](#)

7.9.6 Auto Zoom On/Off:

- Click “**Auto Zoom Off**” if you want the map shown during Navigation to stay at the same zoom level whatever map is displayed.
- Click “**Auto Zoom On**” if you want the map displayed during Navigation to zoom automatically to show the next change of direction in greater detail.

After you click the selected option, the system automatically returns to the navigation screen.

[For more details, read section “10_Notes and Tips”.](#)

8_Symbols and colors used for the maps

KEY



Roads / Transport

DAY MODE	NIGHT MODE	
		Motorway
		Motorway-type Dual Carriageway
		Main Road
		Major Road
		Important Road
		Minor Road
		Avenue
		Street, Lane
		Regulated Street, Pedestrian Street
		Car Park Entrance / Exit
		Road Under Construction
		Train Connection
		Boat Connection



Routes



Departure



Stage



Arrival



Surfaces



Forest, natural reserve, city park



Industrial area



Airport



Cemetery

9_The ViaMichelin POIs

ViaMichelin Navigation X-970 includes an exclusive collection of thousands of points of interest taken from the Michelin Green Guide – and a selection of practical addresses (food stores, accommodation, auto service, etc.). An exclusive feature of the POIs (Points Of Interest) extracted from the Michelin Green guide and of the practical POIs, is that they include a full description and can be selected using a multikey search process. This means that your ViaMichelin Navigation X-970 offers you all the comprehensiveness of a standard guidebook, an essential addition to your navigation system.



9.1 How To Look Up a POI Description

Your ViaMichelin Navigation X-970 system offers you several thousand POIs, each with a “**Description**”. Depending on the information available, this description can cover one or more pages. The information provided is then grouped into criteria groups based on the category that the POI belongs to:

- The first page contains the name of the POI, its category, its address, telephone number and in some cases Internet addresses (web site and e-mail) or simply its description. If a phone is connected to your device, simply click on the number to call the selected POI automatically.



- Click the direction arrows:
 - **Left** to view the previous POI.
 - **Down** to continue viewing the description of the POI.
 - **Right** to view the next POI.
- Click “**POI Options**”.



You can then:

- Telephone** to call the telephone number on the POI file. If there is no telephone number, this option will not be accessible and will be shaded (*for more information, see paragraph 6.3*).
- Save** to make the selected POI a favorite in “**My Favorites**” or “**My POIs**” (*for more information, see paragraph 5.2*).
- Navigate to** to draw up a route to the POI you selected (*for more information, see paragraph 3.1.2*).
- Center on Map** to center the map on the selected POI (*for more information, see paragraph 4.2.1.5*).



9.2 Michelin® Green Guide Symbols

	Civil and historic architecture
	Religious building
	Museums
	Historic streets and districts
	Urban sites, natural sites
	Leisure
	Castles

10_Notes and Tips

This paragraph contains additional information and tips to help you get the best out of your ViaMichelin Navigation X-970 system:

- As you enter letters in a search screen, the choice is restricted automatically. Only existing letters or figures are displayed and enabled. As soon as the criterion you want appears in the top bar, you can click it to select it.
- To delete a letter, click the left arrow at the bottom right of the screen.
- To find a town quickly, you can enter a few letters of the town's name. For example, when you enter "PHIL" the search engine displays "Philadelphia", "SAN FRA" displays "San Francisco".
- To find a street quickly, you can enter a few letters of the street name you want; for example, if you enter "MADI" the search engine displays "Madison Avenue", while "AVE" will bring up "Avenue of the Americas".
- When preparing a route, some functions are available when you click a place icon. For example:
 - Move up lets you switch a place to the previous stage of the route. This means the arrival point can become the departure point or a stage can be moved to the previous position or become the departure point in the journey to be (re)calculated in a single click.
 - Move down lets you switch a place to the next stage of the route. This lets you change the departure point to the arrival point or move a stage to the next position or change it to the arrival point in the journey to be (re)calculated in a single click.
- The calculated route is displayed on the map as a green line highlighting the roads taken.
- When your ViaMichelin Navigation X-970 is connected and is not used for a certain time, the software will automatically start up free navigation. Click the "Back" button to return to the initial screen.
- If you start the search without entering the POI by clicking "Display All", the system will list all the POIs it knows.
- When searching for a POI or a saved address, the system presents the POIs in descending order of distance – in a straight line - from the specified place.
- Click in the space on the top bar to zoom several levels in or out on the map.
- Click the cursor in the top bar and move it to the zoom level you want.
- Click in the screen and move the map in the direction you want to display the area you are interested in.
- If the coordinates show a point a long way from a road, the message **The place selected must be less than 15 miles from a road** appears. Click "OK" to return to the previous screen and choose an arrival point or departure point nearer a road.
- If several saved addresses or POIs are very close together, you will need to zoom in to separate them.
- The history only contains the last 15 destinations used. It is automatically updated: each new destination replaces the oldest. You can therefore not delete the history as it updates progressively with new routes.
- When the location marker is centered on a saved address, the "Delete" button is automatically displayed at the bottom left of the screen. If you click on this button, the system displays the message **Are you sure you want to delete this address?**. Click "Yes" to delete the saved address.
- In navigation, displaying a very large number of POIs may call on the device's resources and reduce the smoothness of the dynamic display. You are therefore recommended to display only the POIs you need for the route calculated.

- The total calculated distance and time for the journey are given at the beginning of the driving directions.
- By clicking the up and down arrows, you can scroll through the driving directions. The map display is then automatically centered on the change of direction given in the driving directions.
- If the GPS position is outside the limits of the map installed in the system, the GPS cross may appear in the middle of a blank screen. By zooming out, you can then locate the GPS position in relation to the maps installed in the system.
- When “**Center on GPS position**” is selected, the “Location Marker Option” function is no longer enabled. You need to move the location marker to be able to access the function again.
- The position established by the GPS can be affected by several factors:
 - the reception quality of the American satellites signals;
 - the surroundings (buildings, tunnel, high-voltage cables, etc.);
 - battery power levels in the ViaMichelin Navigation X-970;
 - the accuracy of the GPS position calculation (± 15 m) etc.
- To prolong battery life, we advise you to leave your ViaMichelin Navigation X-970 system connected to a power source or to recharge it after use. Similarly, a volume and screen brightness reduction favors longer battery life.
- The “**Shortest**” routes take the roads in the database that are closest to the straight line between the departure point and the arrival point.
- The “**Quickest**” routes take the roads that give you a shorter driving time than the **Shortest**” route. In Navigation mode, the software only uses this type of calculation. Moreover, during short journeys, the software uses the table of average speed settings for the 6 types of roads programmed in the map database when calculating the **Quickest**” route. Therefore, you can favor some types of road by reducing the average speeds of others or by increasing the speed of the type to favor. However, for longer journeys (> 62 mi approximately), the program calculates the route based on the primary network (highways and similar roads); the secondary network is only used to get from the departure point to the primary road and from the primary network to the arrival point.
- In Free Navigation, only 2D display is available.
- When there are several stages in a route, you can click “**Go to Next Stage**” to tell the system to recalculate a new route between the GPS position and the next stage. This means you can plan a route to pass near town, without leaving the main roads.
- In free navigation the navigation map can be displayed facing north; the position arrow will follow the movements of the road relative to a fixed direction, or relative to the navigation axis to maintain the direction taken facing the top of the screen. To change this setting during navigation, at the bottom of the screen click “**Navigation Actions**”, then “**Display**”. You can then choose between “**Orient Northwards**” or “**Orient in the vehicle’s direction**”.
- If the PC does not detect your ViaMichelin Navigation X-970, connect your USB cable to another USB port and check whether other PDA devices such as a Pocket PC PDA or peripherals such as a printer or a scanner that could interfere with communication between the ViaMichelin Navigation X-970 and your PC are connected to the USB ports. In this case, please disconnect them while installing your software.
- You will find other information to help you get the best out of your ViaMichelin Navigation on the ViaMichelin web site: <http://www.viamichelin.us> > Support

11_ViaMichelin Navigation SD card



11.1 Content of the Extra Memory Card (SD card)

The memory card (SD card) supplied contains the maps for USA and Canada and the navigation software. (For more information, please consult paragraph 2.3)

Comments:

To activate the DVD-ROM, you need a PC with a DVD-ROM drive and an Internet connection.

The SD card contains 5 folders:

Install SD	contains the application needed to install the programs on your ViaMichelin Navigation X-970.
MapSonic	contains the ViaMichelin Navigation programs to install.
MyViaMichelin	contains 2 sub-directories – MyNoteboOK and MyPois – in which your personal POIs will be saved
TTS	
VMNav_Maps	contains the map files (*.fdp).
VMNav_Pois	contains the POI files supplied with your ViaMichelin Navigation X-970.

This directory contents two file types:

- ***.poi files:** files containing POI locations and descriptions.
- ***.rgt files:** files indicating POI copyrights

These two files are needed for the same POI, so it is important not to separate them or delete them.

- **VMNav_TTS** contains the files in various subdirectories per country to create voice synthesis messages (Text To Speech) to announce road signs, street names and traffic information messages.

Instructions for using the ViaMichelin Navigation SD are given in paragraph 2.3. Please consult them to get the best out of your device.



11.2 Installing the SD Card

- Insert the SD card into the PND drive and follow the instructions displayed on the screen.

The detailed SD card installation procedure is given in paragraph 2.3. Please consult it for more information.

12_ViaMichelin Navigation DVD-ROM

The DVD-ROM supplied with your ViaMichelin Navigation X-970 lets you install the “Content Manager” program, which contains a range of customization and support services:

- **Map Manager** Allows you to adapt your maps to your own needs by selecting only certain regions or states.
- **My ViaMichelin** Allows you to manage your customized contents (addresses, POIs, routes). You can save them from the web site <http://www.ViaMichelin.com> (Internet connection required) and this option lets you retrieve them to your ViaMichelin Navigation X-970.
- **POI Manager** Allows you to manage ViaMichelin POIs (Points Of Interest) “*.poi” or any other “*.asc” format file.
- **Troubleshooting** Find help if you experience any problems with your ViaMichelin Navigation X-970:
 - Access to the most frequently asked questions - FAQ (Internet connection required)
 - Access to the complete user manual in “pdf” format (Internet connection required)
 - Access to the Restore SD function which enables you to restore your memory card if you have damaged it



12.1 DVD-ROM Contents

The DVD-ROM supplied contains the following programs:

autorun.inf	layout.bin	ViaMichelin.ico
data1.cab	setup.exe	ViaMichelin_GPS_Vista.INF
data1.hdr	ISSetup.dll	ViaMichelin_GPS_Windows.INF
data2.cab	setup.ini	wceusbsh.sys system settings file
setup.dll	setup.isn	for PND recognition by the PC

The size of compressed ***.cab files** depends on the version installed.

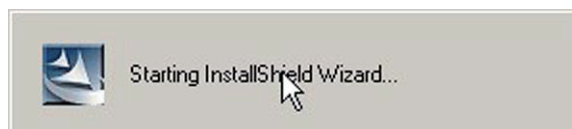


12.2 Installing the DVD-ROM

- Check that your PC’s hard disk has the 6 GB needed to install the ViaMichelin software.
- Check your Internet mailbox to make sure there are no messages waiting to be received.
- Close all applications running on your PC.
- Empty the Windows temporary files folder (TEMP)
- Empty the temporary Internet files folder.
- Empty the desktop recycle bin.
- Check that the SD card is correctly inserted into the PND and the software is installed on it as described in Chapter 2.3.
- Connect your ViaMichelin Navigation X-970 to your PC.
- Insert the DVD-ROM in the PC drive, the installation procedure starts automatically after a few seconds.

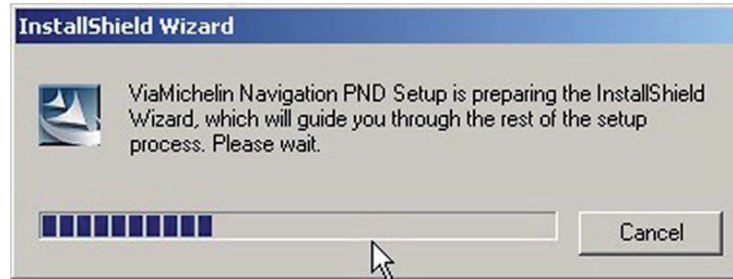
If the DVD-ROM does not start automatically (autorun), click **My Computer**” then click the DVD-ROM drive icon. Click on “**Setup**” (or “**Setup.exe**” if the file extensions are shown). The first window of the installation procedure should then open.

Follow the screen prompts.





- Select the language you want from the installation menu then click “OK”.

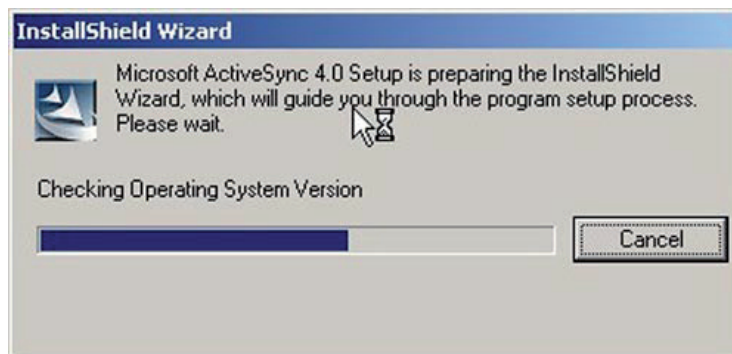


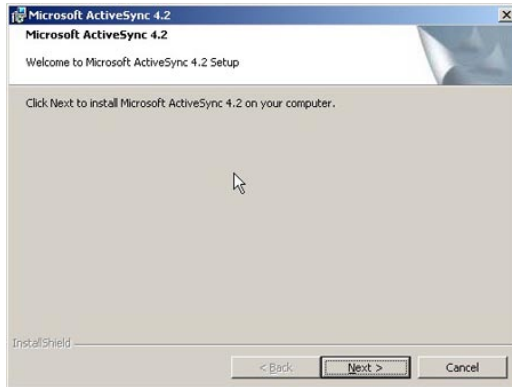
12.2.1 Installing the Microsoft ActiveSync® Program

Comment:

The Microsoft ActiveSync software is required on PCs with the Windows 2000 and XP operating systems. A PC with the 32-bit Windows Vista system does not require the Microsoft ActiveSync software to be installed.

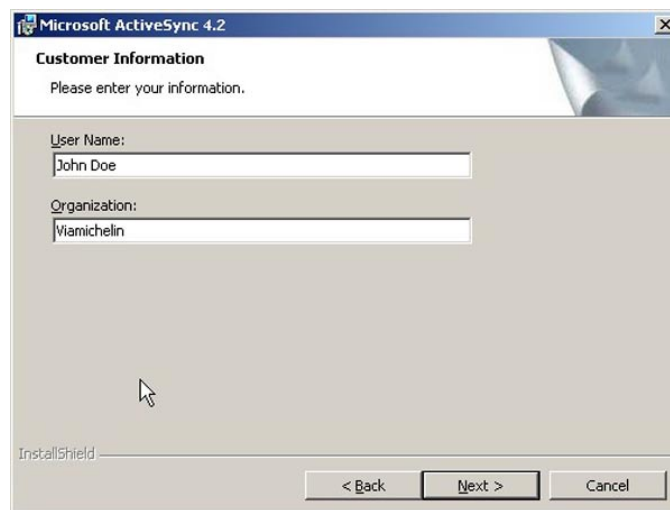
If the Microsoft ActiveSync application is not installed on your PC, a window will prompt you to install it. The Microsoft ActiveSync application is used for communication between the PC and mobile devices (PDA, PND, etc.). The ActiveSync version 4.2 is supplied with your ViaMichelin Navigation X-970. If an older version resides on your harddrive, please uninstall it before installing the ViaMichelin Navigation DVD-ROM.



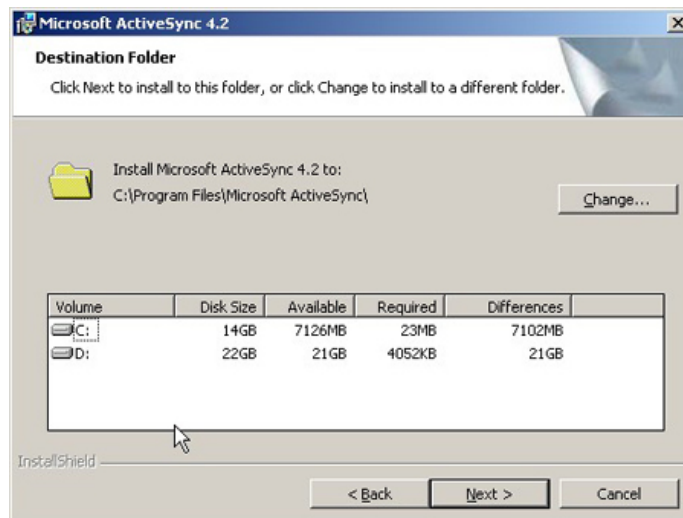


- Click “**Next >**”.

- After reading and accepting the terms of the Microsoft ActiveSync 4.2 software licence contract, click “**Next >**”.

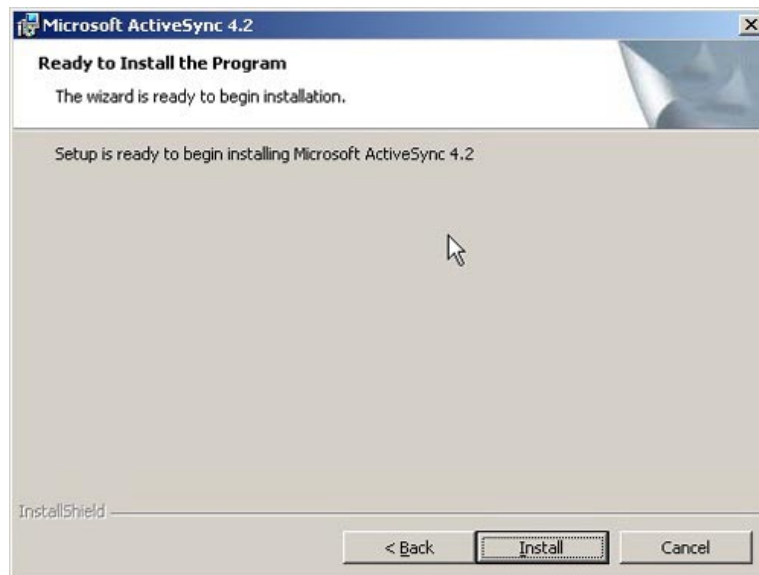


- Give your user name and your company or organization (optional) – by default these are taken from your PC, then click “**Next >**”.

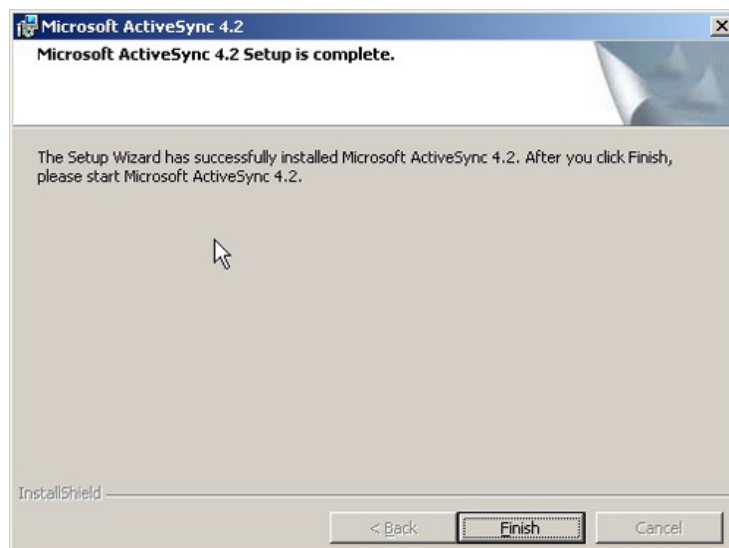
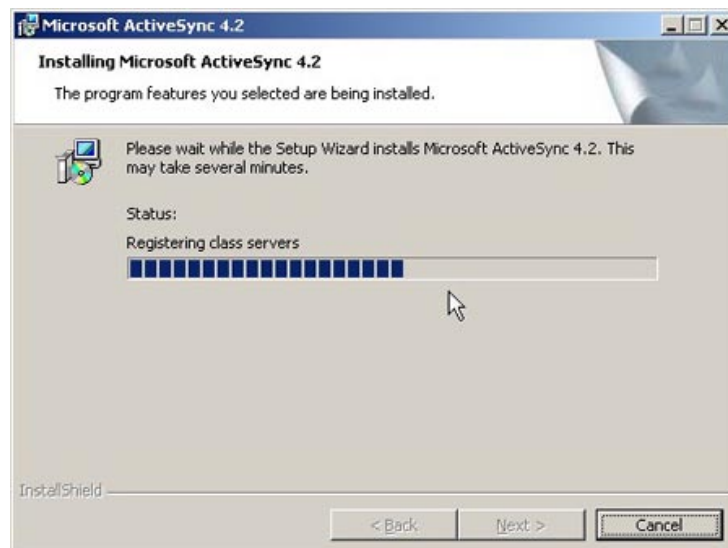


- Choose the directory you want to install the Microsoft ActiveSync software. By default, the software will be installed in **C:\Program Files\Microsoft ActiveSync**. If you want to change the installation location, click

“Change...”, otherwise click “Next >”.



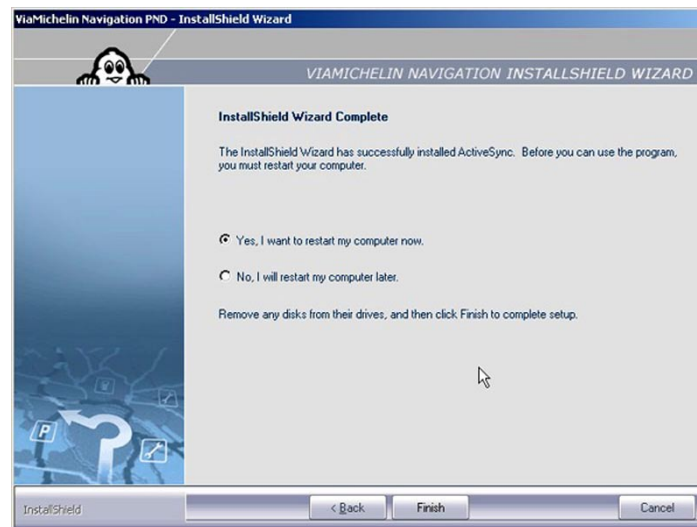
- Click “**Install**” to start the installation.



- Once the installation is finished, click the **“Finish”** button.




- A window will prompt you to restart your computer. Check that all your applications are closed (except your ViaMichelin Navigation software installation), then click **“Yes”**.



- Tick the option **“Yes, I want to restart my computer now”**, then click **“Finish”**. Wait for your computer to restart completely. When the restart is completed, the following window will open.



- Click **“Cancel”**
- Now connect your Navigation X-970 to your computer using the mini USB cable supplied with the device.
- Turn on your ViaMichelin Navigation X-970.

- On the task bar at the bottom right of your screen the Microsoft ActiveSync icon should be activated in green: 
- The ViaMichelin Navigation X-970 screen displays the icon telling you not to remove the SD card from the PND:

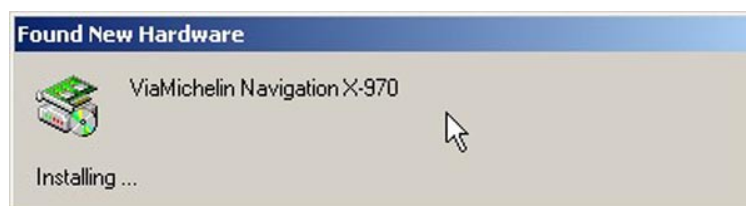


- When asked if you want to establish a partnership, select “No” then click “**Next >**” (figure 1). Microsoft ActiveSync starts in **Guest Mode** (figure 2). You do not need to establish a partnership to transfer files (e.g. POI) from your PC to your ViaMichelin Navigation X-970.

12.2.2 Installing the drivers in Windows 2000

The ViaMichelin Navigation X-970 drivers are included with the ViaMichelin Navigation DVD-ROM supplied. These drivers enable the PC to communicate with your device.

If the drivers are installed when you connect your PND to your PC in Windows 2000, your PC displays the following screen:

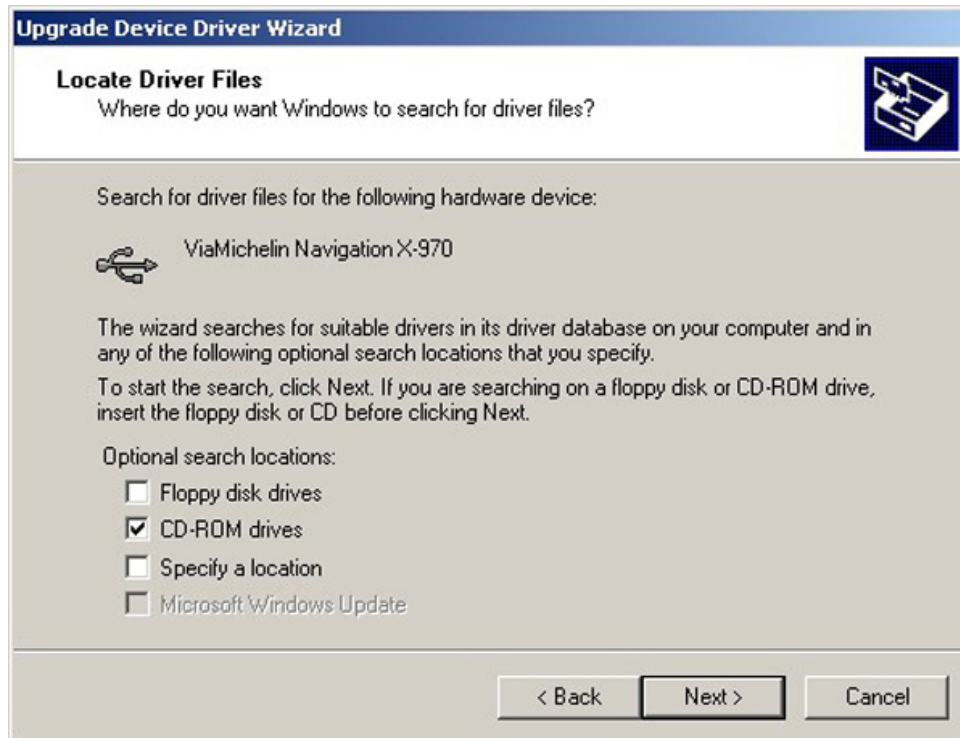




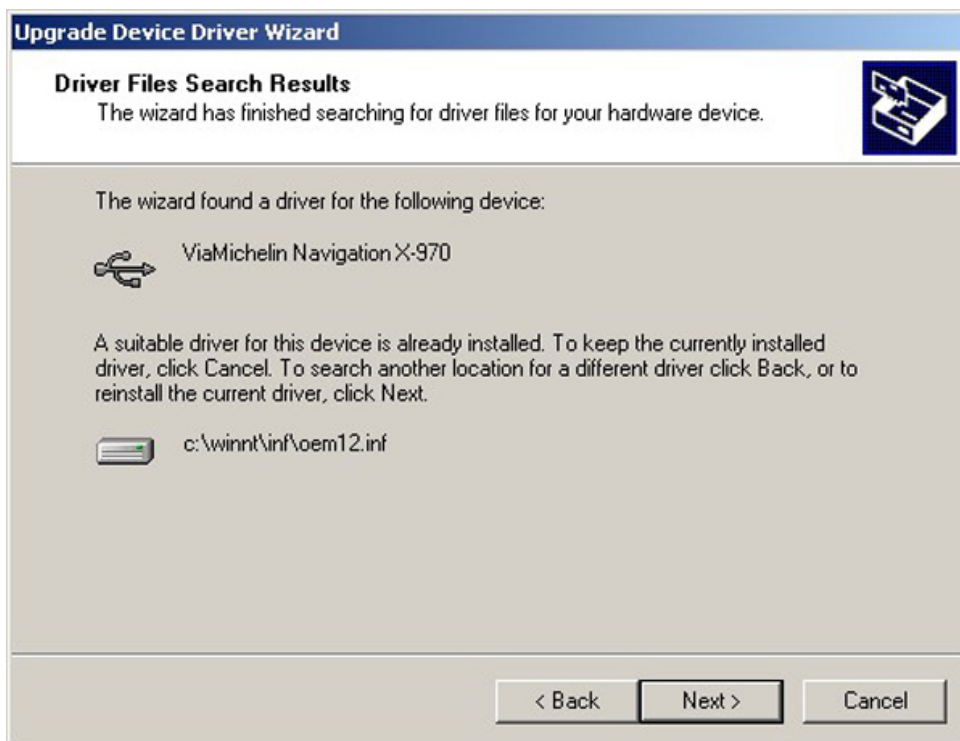
- Click “Next >”.



- Tick the line “Search for a suitable driver for my device (recommended)” and click “Next >”.



- Tick the line “**CD-ROM driver**” and click “**Next >**”.



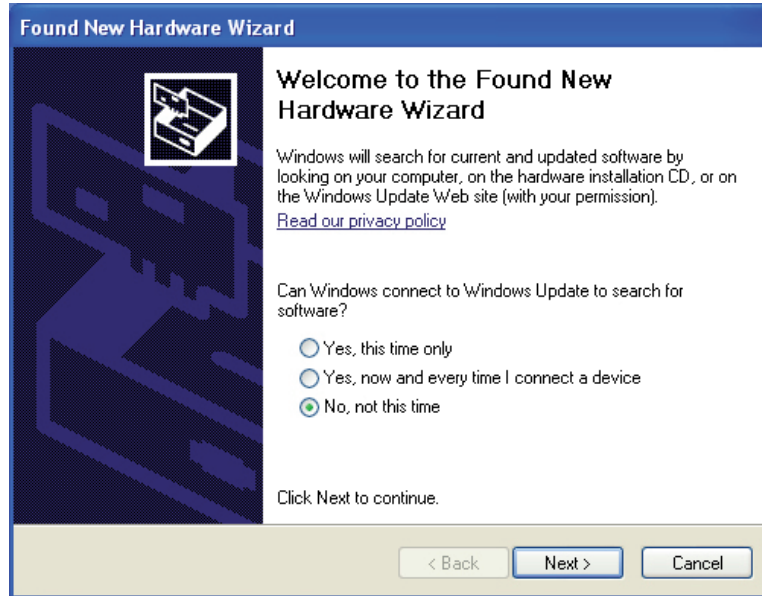
- If the windows shows that the driver is already installed for this peripheral, click “**Next >**”.
- Click the “**Finish**” button to complete the driver installation process. Your driver is now installed on your PC in Windows 2000.

12.2.3 Installing the Drivers in Windows XP

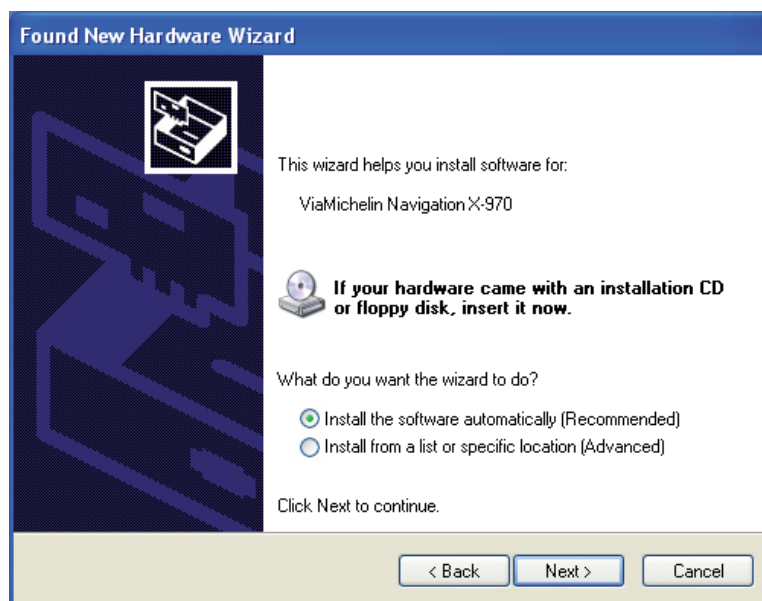
Connect your ViaMichelin Navigation X-970 to one of your PC's USB ports using the USB cable supplied, then switch on your mobile GPS; the message appears in the task bar.

Comment:

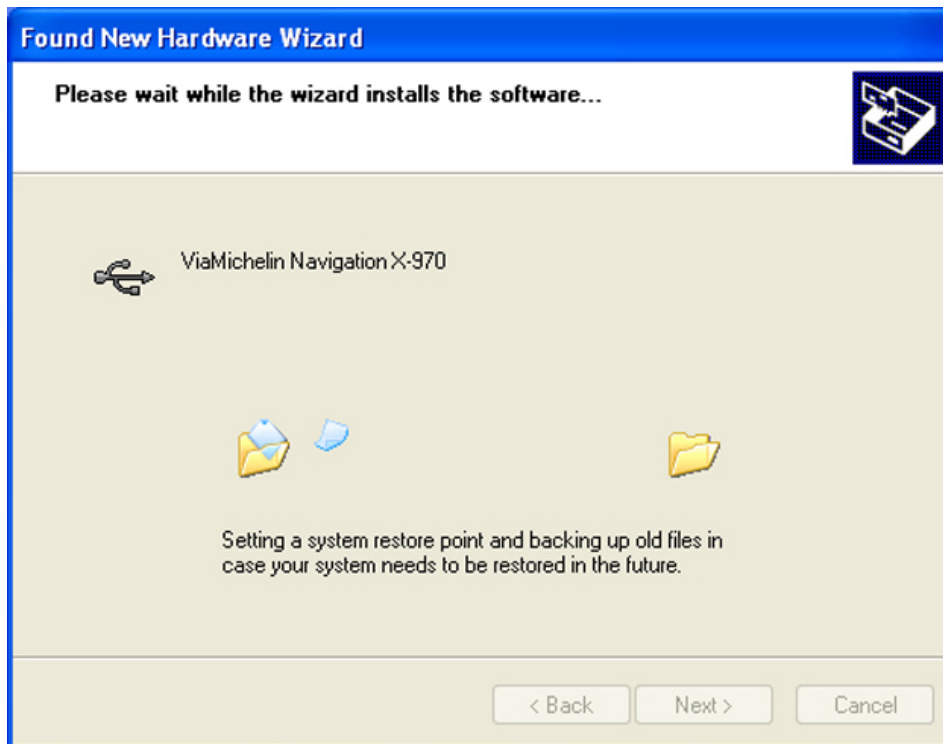
If your PC does not detect the ViaMichelin Navigation X-970, please connect your cable to another USB port.



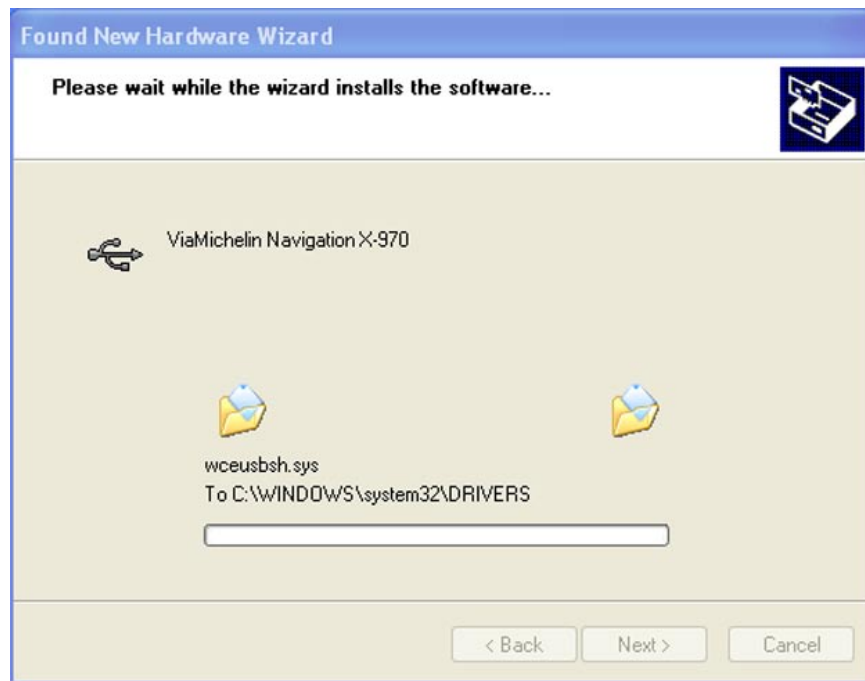
- When you see the question “Do you want Windows to connect to Windows Update to search for updates?” tick the option “No, not this time” then click “Next >”.



- Tick the option “Install the software automatically (recommended)”.



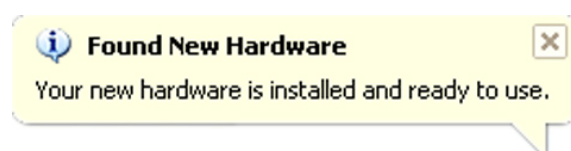
- A warning window opens. This message means that the driver has not been validated by Microsoft and has not received a logo certifying Windows compatibility. This is not a problem, however, since ViaMichelin guarantees compatibility with Windows 2000 or XP operating systems. Installing ViaMichelin programs “**will not damage**” your computer. You can therefore continue the installation procedure by clicking “**Continue**”.



- The hardware wizard installs the driver.



- The hardware wizard has finished installing the driver, click on “**Finish**”.

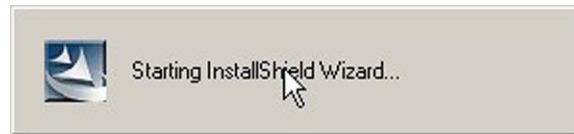


Your driver is now installed on your PC in Windows XP.

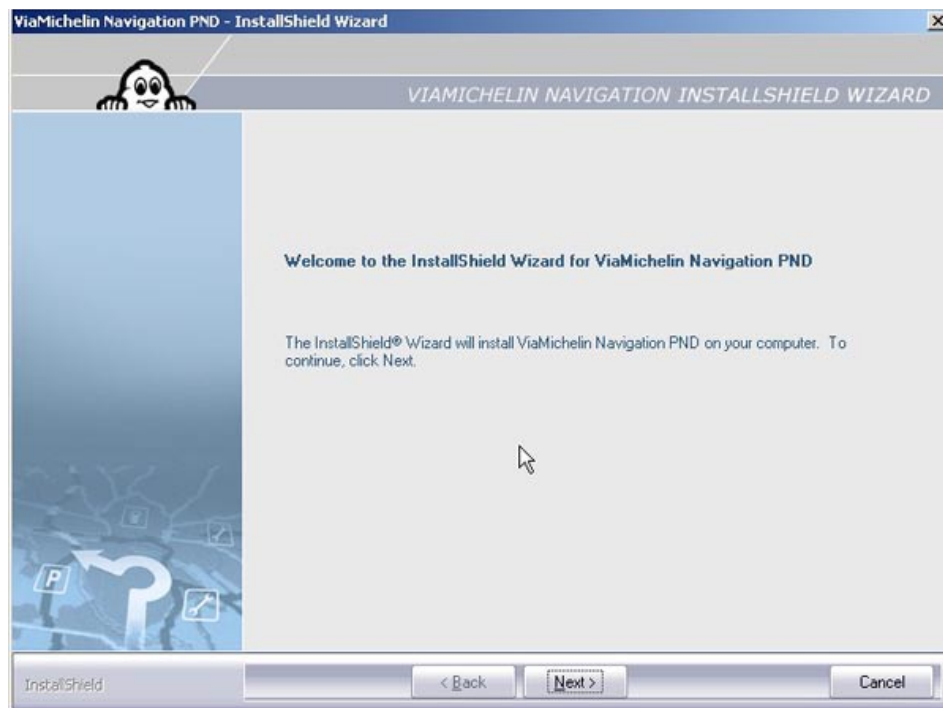
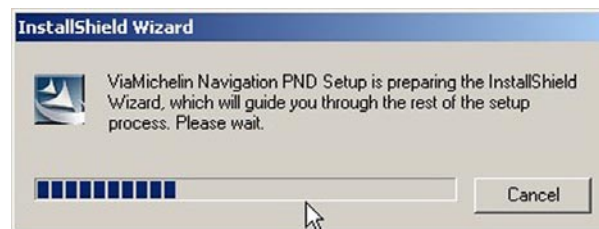
12.2.4 Installing and Activating the ViaMichelin Navigation Software on Your PC

Eject the DVD-ROM from the PC drive and put it back in, the installation procedure starts automatically after a few seconds.

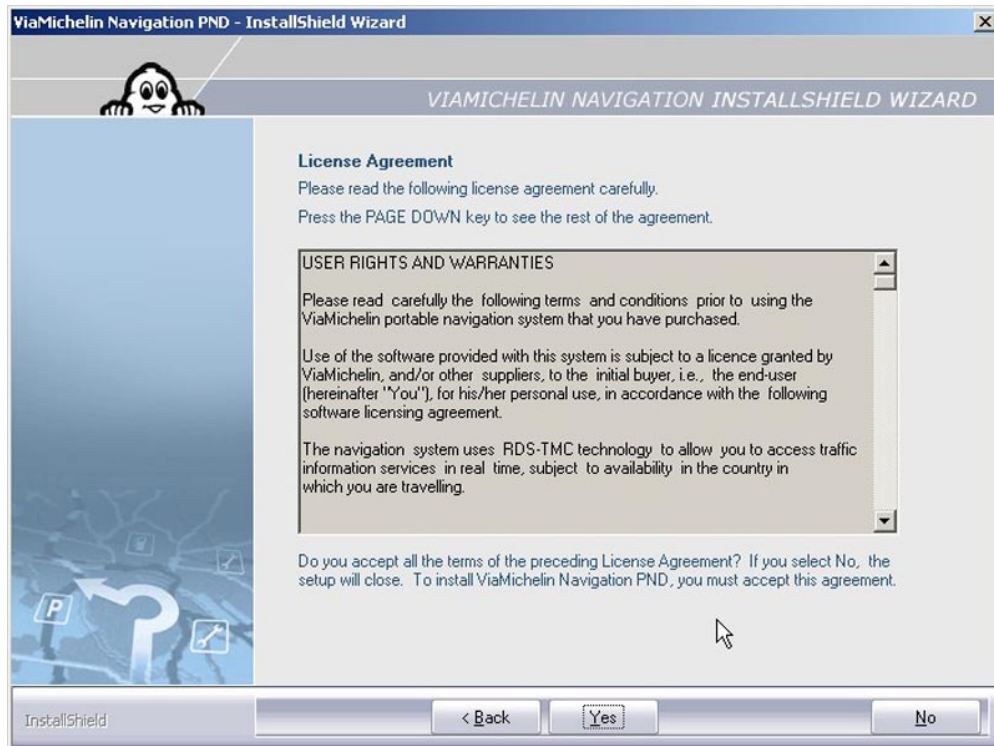
If the DVD-ROM does not start automatically (**autorun**), click **“My Computer”** then click the DVD-ROM drive icon. Click on **“Setup”** (or **“Setup.exe”** if the file extensions are shown). The first window of the installation procedure should then open. Follow the screen prompts.



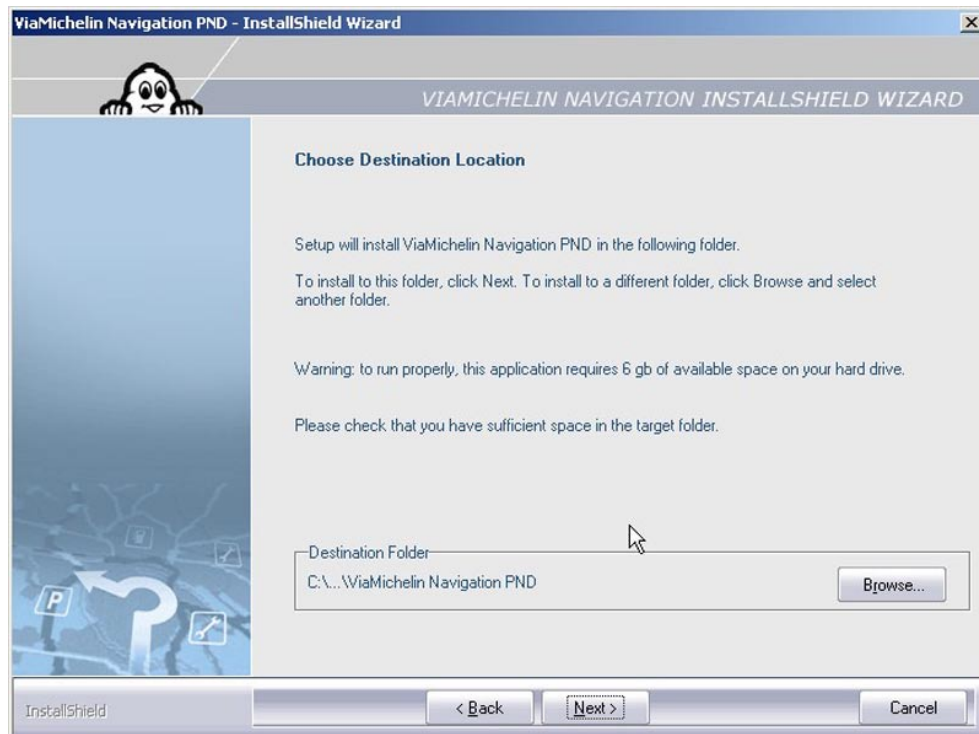
- Select the language you want from the installation menu then click **“OK”**.



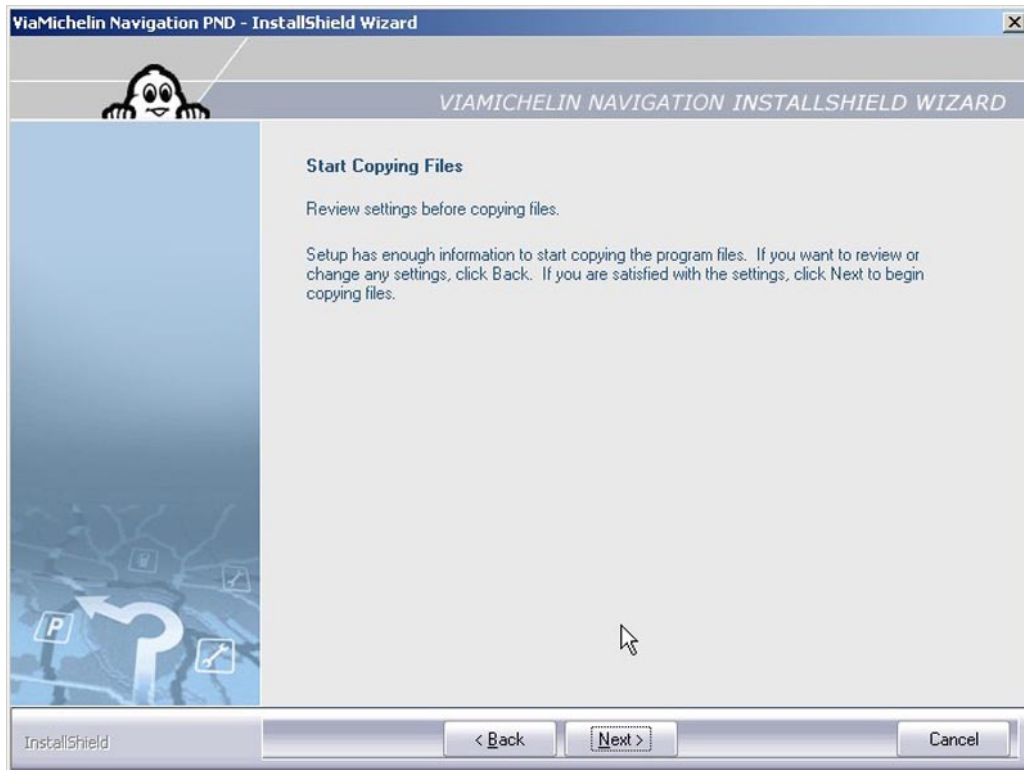
- Click **“Next >”** to continue installing programs; otherwise, click **“Cancel”** and the installation procedure will then finish without installing the programs on your PC.



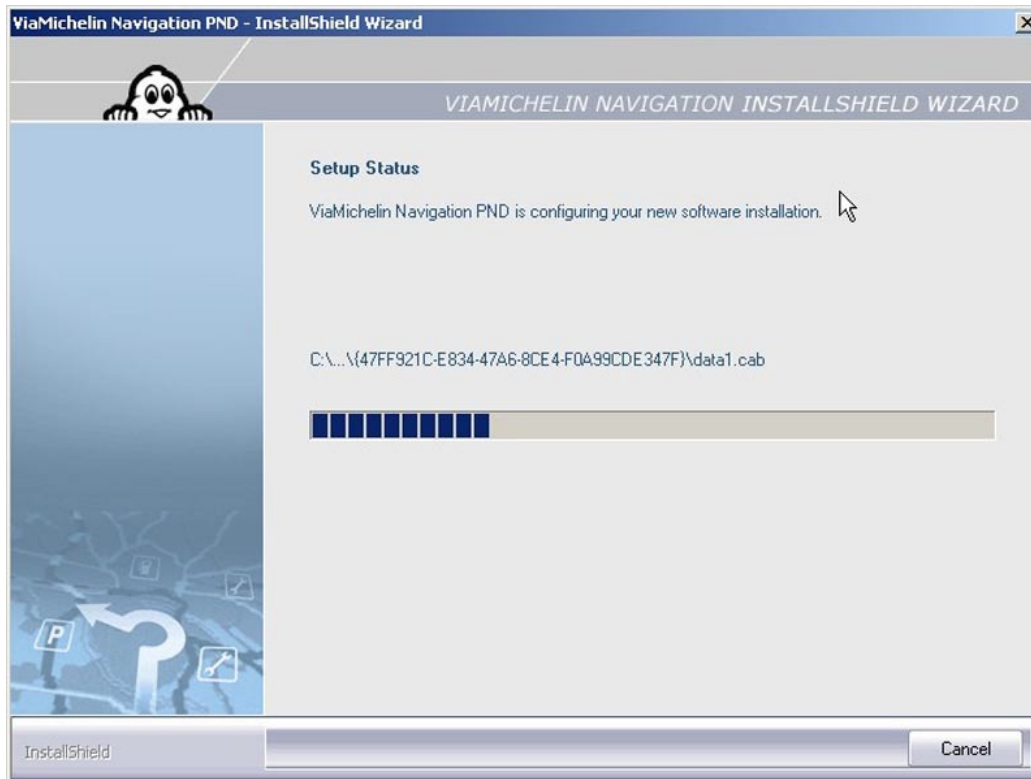
- To accept the license agreement, click **“Yes”**; otherwise, click **“No”**, in which case the installation procedure will end without installing the software on your PC.



- Click **“Next”** to install programs in the default directory or select the installation directory of your choice by clicking on the **“Browse”** button.

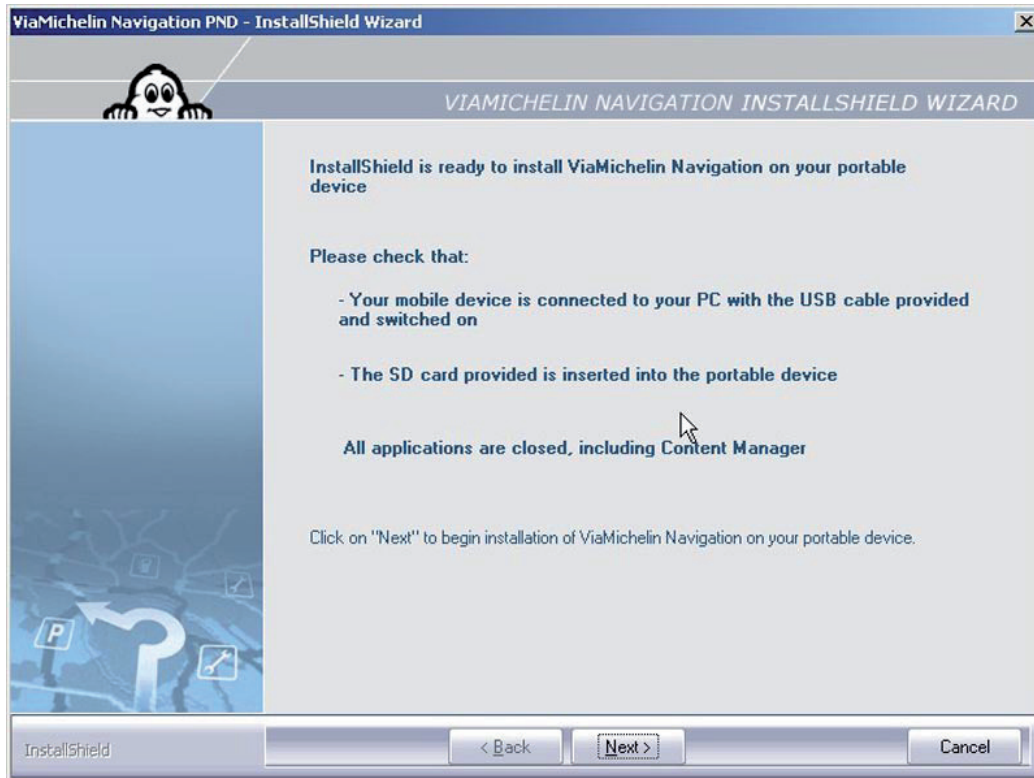


- Click “Next >”.

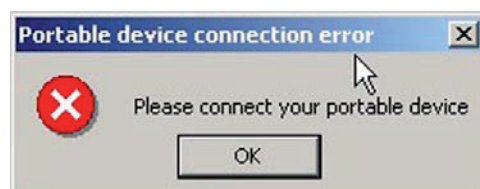


- Click “Cancel” only if you want to stop the installation. Otherwise, to display the next window, let the progress bar go to the end.

A summary window opens.

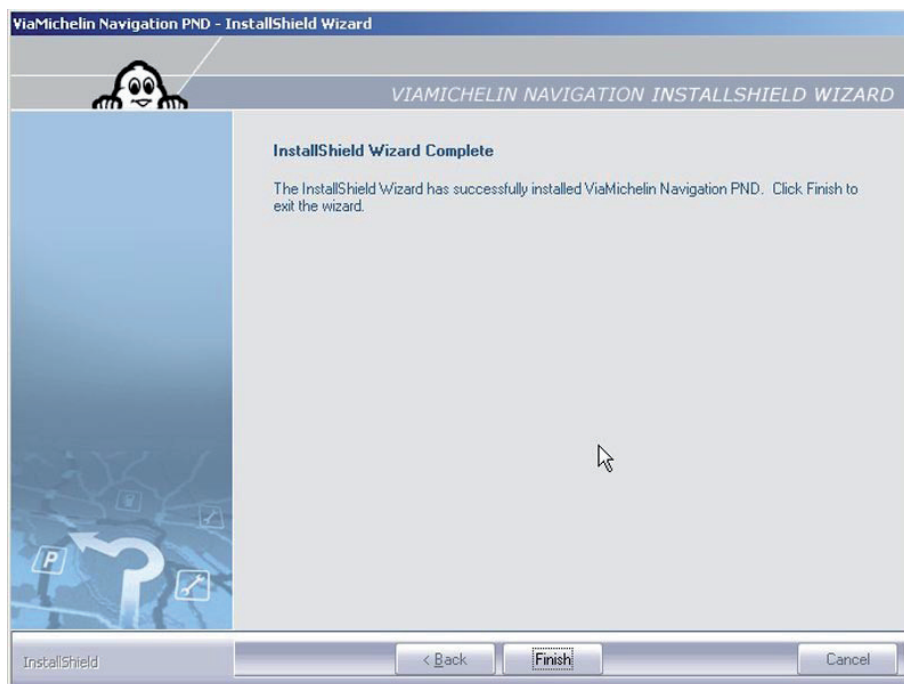


If your ViaMichelin Navigation X-970 is not connected to your PC or if your card is incorrectly inserted - or not inserted - into your device, you will see the following message:



- Click **“Cancel”** only if you want to stop the installation.

Once the programs are installed, if files of types **“asc”**, **“poi”** and **“xvm”** are not recognized by and / or associated with applications on your PC, a message will ask you whether you want to associate these file types with the **“Content Manager”** application. Click **“Yes”** to associate them (recommended), or no if you don't want to associate these file types with the ViaMichelin **“Content Manager”** program (some functionalities may not be activated).



- Click **“Finish”** to exit the installation procedure.

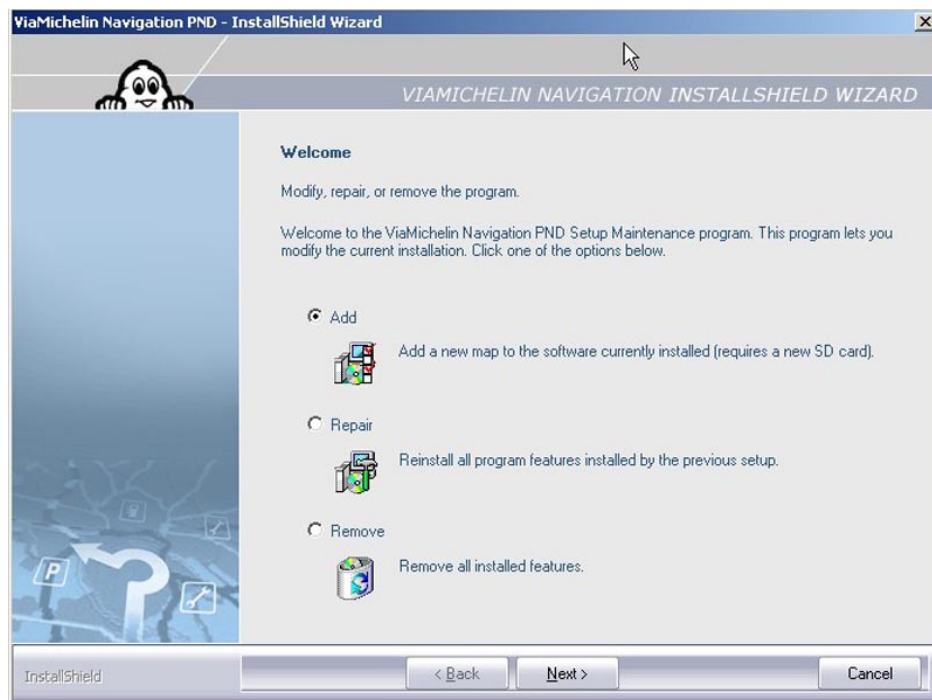
Leave your ViaMichelin Navigation X-970 connected to the USB cable and to your PC. The **“Content Manager”** will start automatically.

Your ViaMichelin Navigation software is now installed!

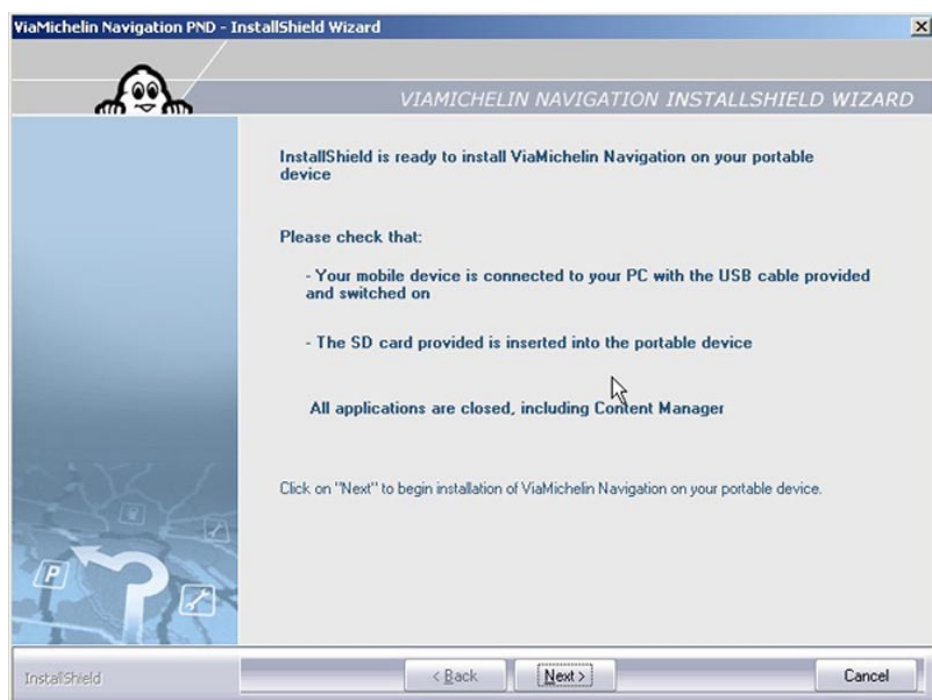


12.3 Adding Software

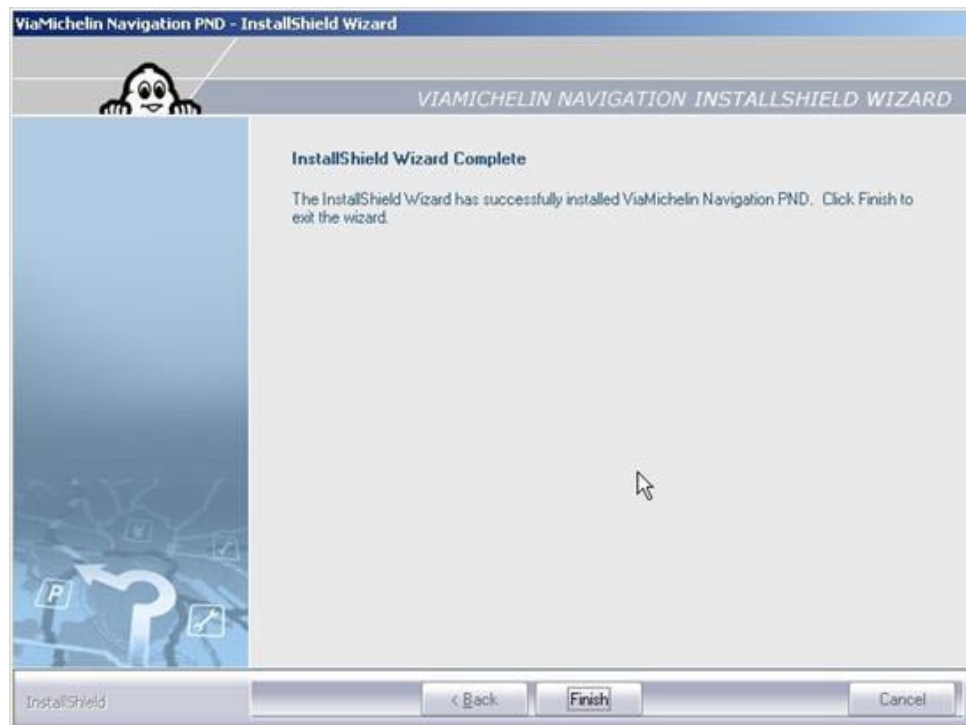
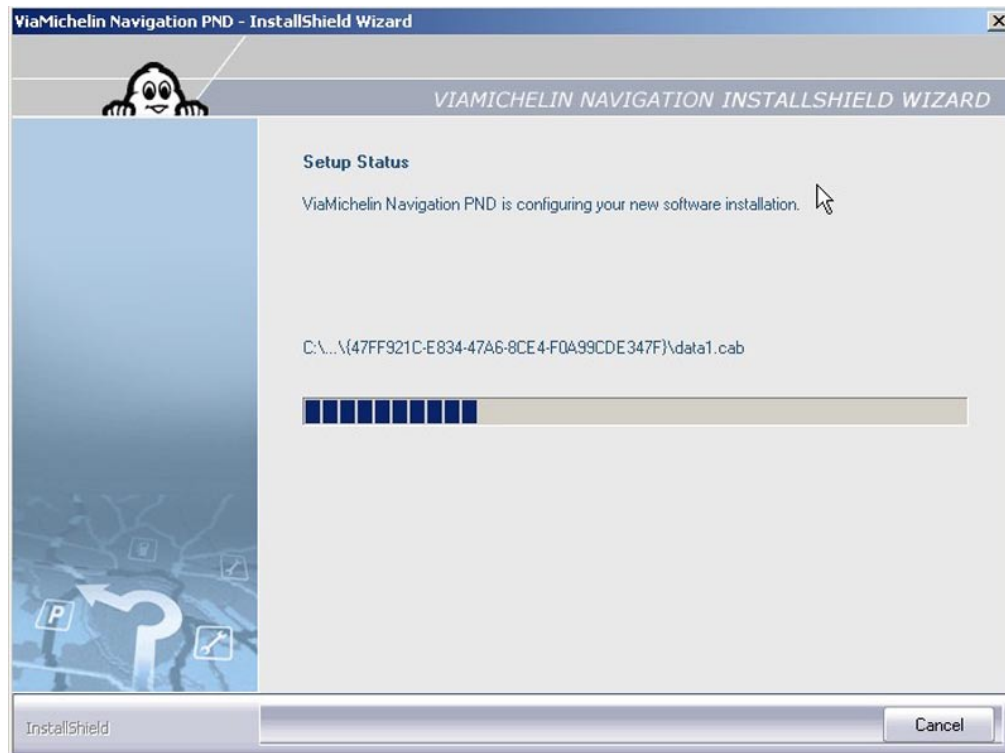
- Insert the DVD-ROM into your PC's DVD drive.
- The installation procedure starts automatically. It detects the presence of the programs and prompts you:
 - either to **“Add”** a new map set if you have bought a regional pack and an additional regional version.
 - or to **“Repair”** the existing installation.
 - or to **“Remove”** the existing software installation from your PC.



- Click **“Add”**, then click **“Next >”**.



- Perform the requested checks then click **“Next >”**.



- Click “**Finish**” to exit the installation procedure for adding a new map set.
- Disconnect the USB cable from your PC then from your ViaMichelin Navigation X-970 if you want to use your PND.
- Leave your ViaMichelin Navigation X-970 connected to the USB cable and your PC if you want to start the “**Content Manager**” program.



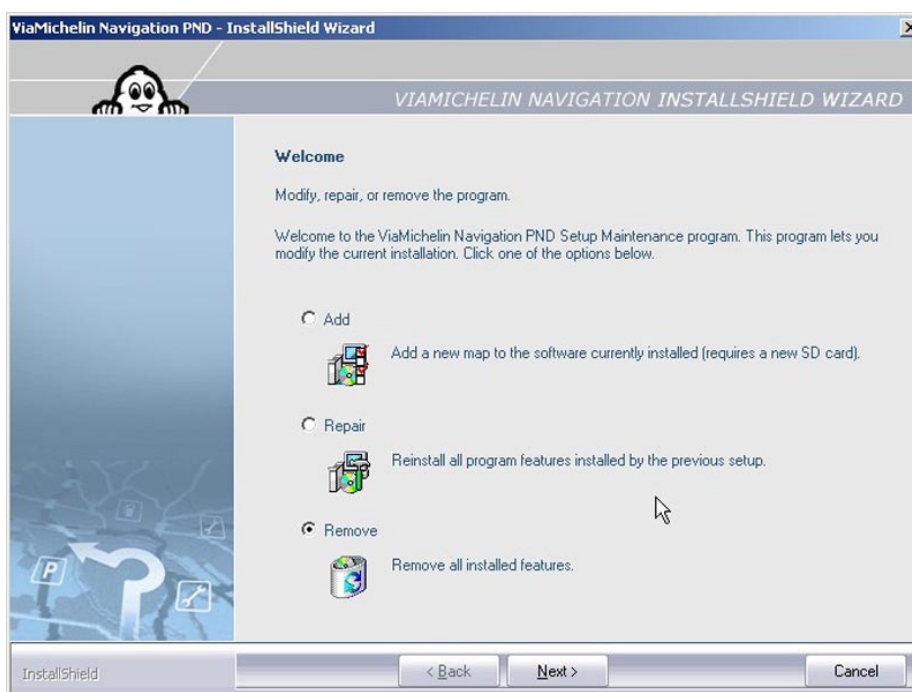
12.4 Repairing the Software

- Insert the DVD-ROM into your PC's DVD drive.
The installation procedure starts automatically: It detects the presence of the programs and prompts you:
 - either to **"Add"** a new map set.
 - or to **"Repair"** the existing installation.
 - or to **"Remove"** the existing software installation from your PC.
- Tick **"Repair"** then click **"Next"**.
- Click **"Finish"** to close the window.
- Disconnect the USB cable from your PC then from your ViaMichelin Navigation X-970.



12.5 Removing the Software

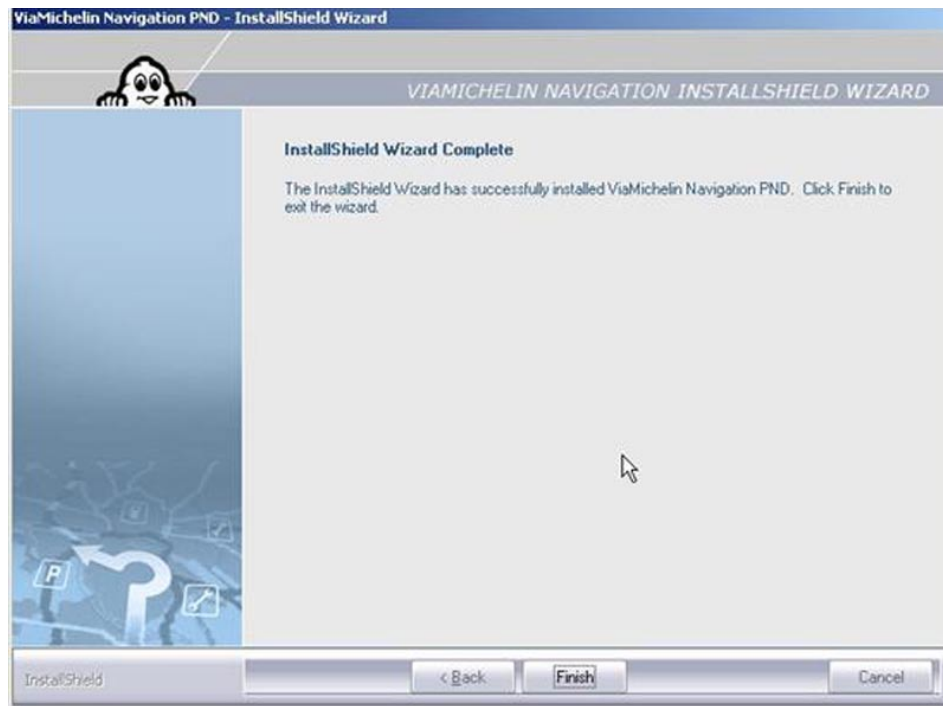
- Insert the DVD-ROM into your PC's DVD drive
The installation procedure starts automatically. It detects the presence of the programs and prompts you:
 - either to **"Add"** a new map set.
 - or to **"Repair"** the existing installation.
 - or to **"Remove"** the existing software installation from your PC.



- Tick **"Remove"** and click **"Next"**.



- Click **"Yes"** to confirm that you want to delete the programs or **"No"** to return to the previous screen.



- Click “**Finish**” to close the window.
- Disconnect the USB cable from your PC then from your ViaMichelin Navigation X-970.

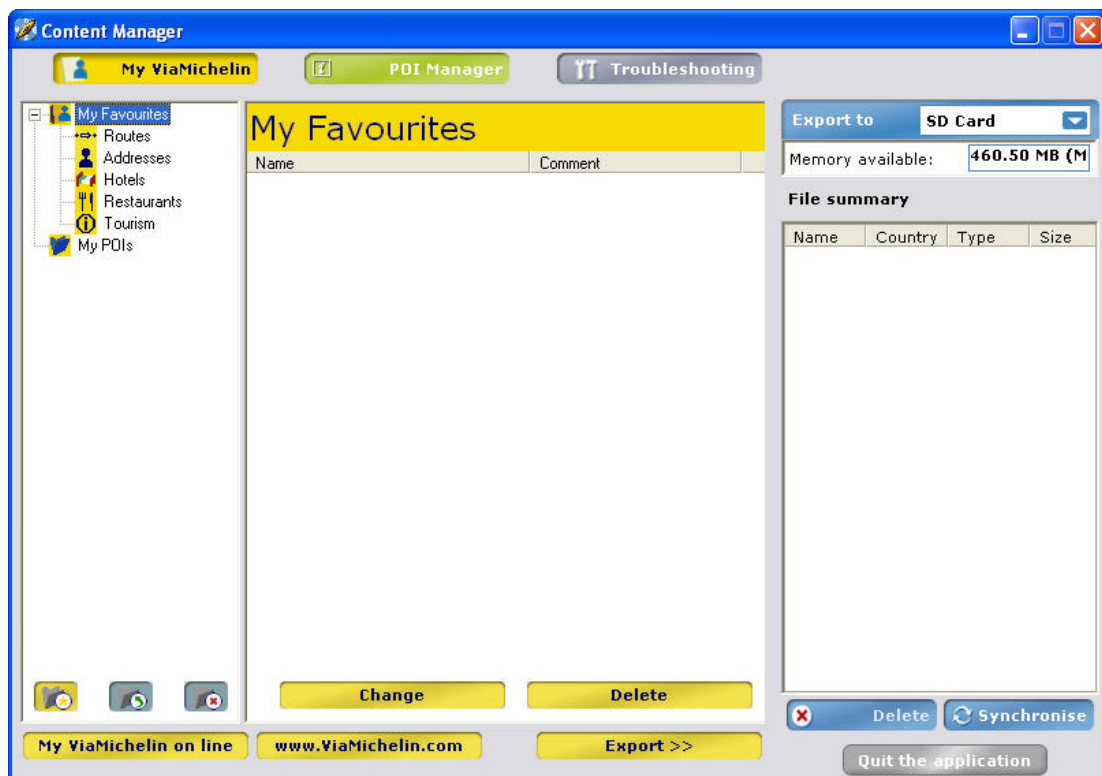
13_Content Manager

This is the application installed on your PC to customise your maps, add new POIs (including personal POIs) or to regenerate your SD card if a problem occurs.

- Connect your ViaMichelin Navigation X-970 to your PC (*for more information, see paragraph 12.*).
- Install the DVD-ROM and start “**Content Manager**”:
 - or from: Start > Programs > ViaMichelin > ViaMichelin > ViaMichelin Navigation PND > Content Manager
 - or from: C:\Program Files\ViaMichelin\ViaMichelin Navigation PND\ContentManager.exe




The “**Content Manager**” application uses this connection to retrieve information from the PND, which will take a few seconds. Your PC then displays the following screen:





13.1 My ViaMichelin

- Click  .

The column on the right shows your various personal folders. Each folder – except the “**My POIs**” folder – contains the following directories:

- **Addresses** to identify the addresses of your choice.
- **Hotels** to save your favorite hotels.
- **Restaurants** to save your favorite restaurants.
- **Routes** to save the routes you use frequently.
- **Tourism** to save your favorite tourist sites.

- The buttons at the bottom of the column let you:

– **create a new folder**



– **change an existing folder**




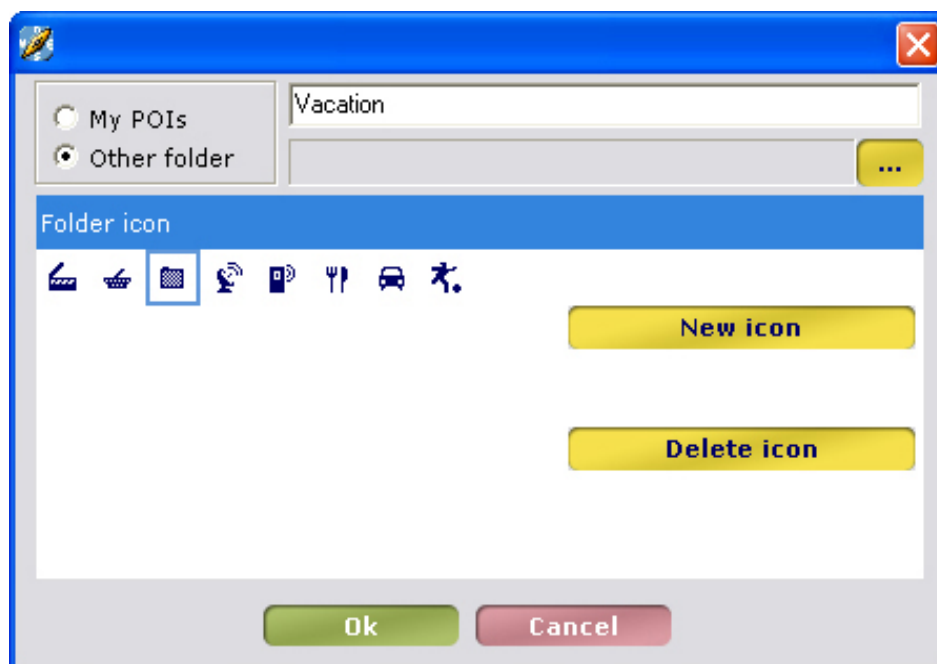
– **delete an existing folder**



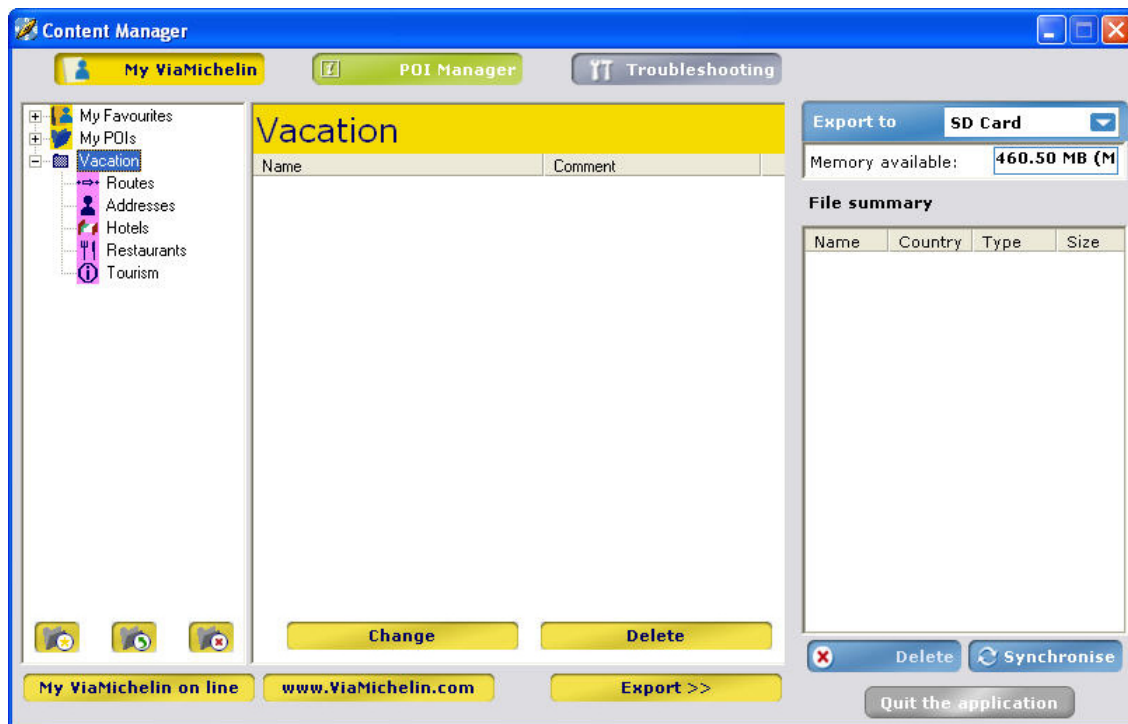
The “**My Favorites**” and “**My POIs**” folders are present by default and cannot be deleted.

13.1.1 Create a new folder


- Click the icon .
- Select “**Other folder**”.
- Give your folder a name.
- Select a folder color, which will be applied to the 5 category icons for this folder.
- Select an icon or click “**New icon**” to select the « ***.bmp** » folder of your choice (16 x 16 pixels – 256 colors).

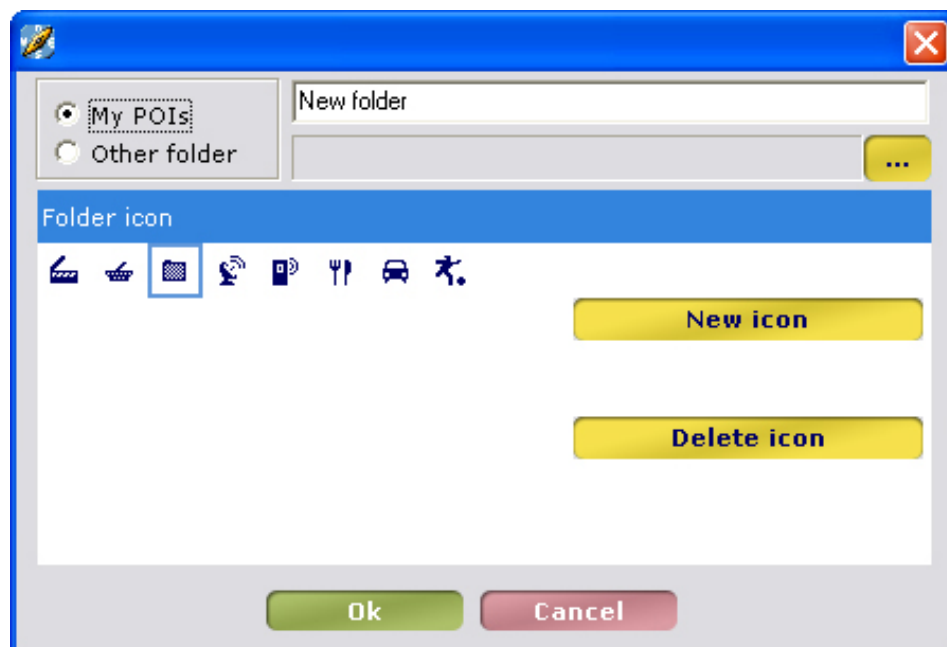


- Click “OK”.



13.1.2 Change an existing personal folder

- Select the personal folder you want and then click the icon .

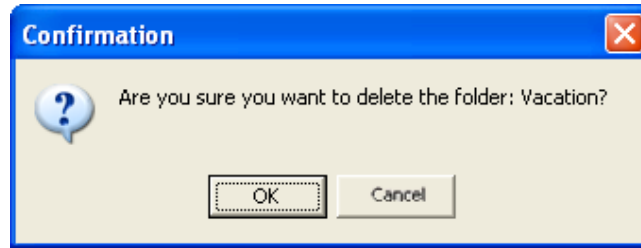


You can then change the title and color of the folder and icon selected.

- Click “OK” to save your folder’s new settings.

13.1.3 Delete a personal folder

- Select the personal folder you want and then click the icon .



- Click “OK” to confirm that you really want to delete it.


Comment:

If you select a sub-directory (Addresses, Hotel, Restaurant, Routes, Tourism) before clicking “Delete”, you will delete the entire personal folder and the five sub-directories and their content.

The central column contains the buttons:

- **Change** to change the name of an address or add a comment.
- **Delete** to delete an address from a folder.

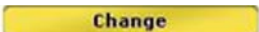
13.1.4 Change an Address Name

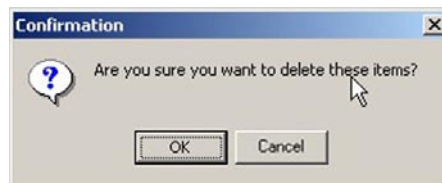
- Select the address in the folder for which you want to change the name or add or change the associated comment, click  then enter the new name.
- Click “OK” to save the changes.

Comment:

- You can move an address or a route from one folder to another simply by “**sliding**” it with the mouse.
- If you press the “CTRL” key while performing this “slide”, you will copy the address or route selected to the folder of your choice.
- Routes can only be moved or copied to “Routes” folders.
- Addresses in the “My POIs” folder can only be copied to other folders.

13.1.5 Delete an Address

- Select the address you want to delete from the folder you want and click .



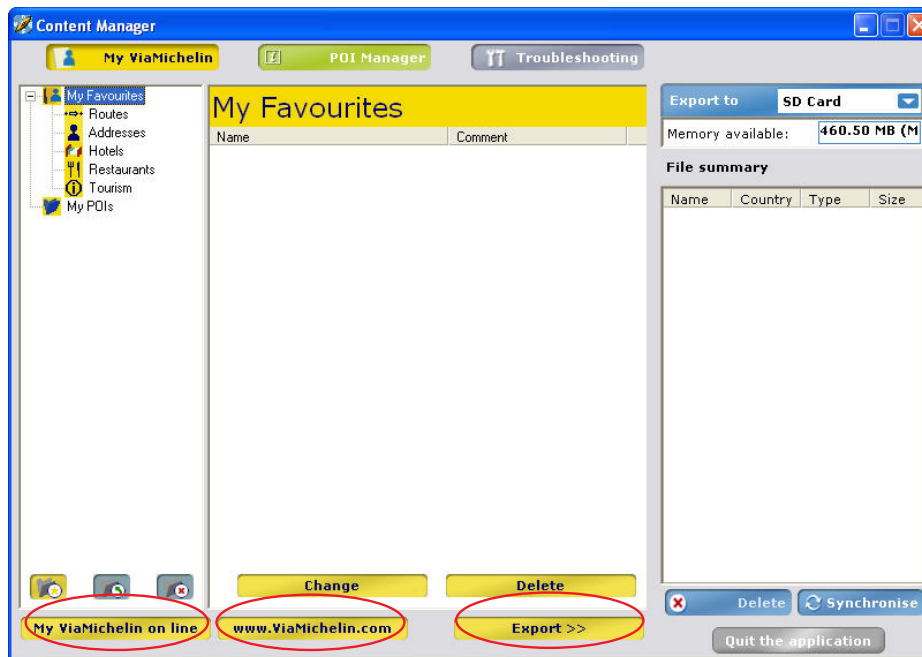
- Click “OK” to confirm that you really want to delete it or “Cancel” to choose not to delete the selected address.

Comment:

You can delete an address, a POI, a route, etc. from a folder, but if you try to delete a folder (for example “Addresses” in the main “Vacation” folder), the entire main folder will be deleted, not just the Addresses folder.

The bottom bar of the “**My ViaMichelin**” window contains the three following options:

- **My ViaMichelin on line** to access your “**My ViaMichelin**” account directly on the ViaMichelin web site
- **www.ViaMichelin.com** to go directly to the ViaMichelin web site
- **Export >>** to export the content of **My ViaMichelin** to the PND

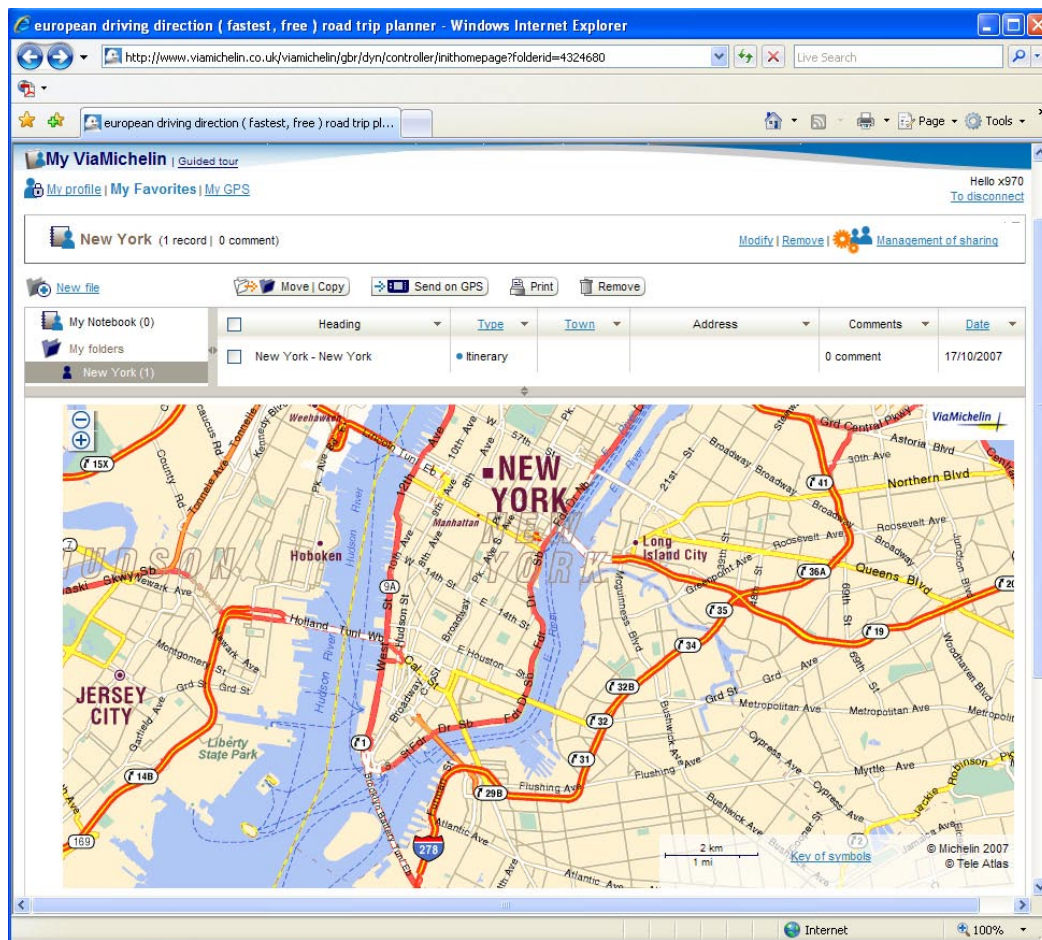
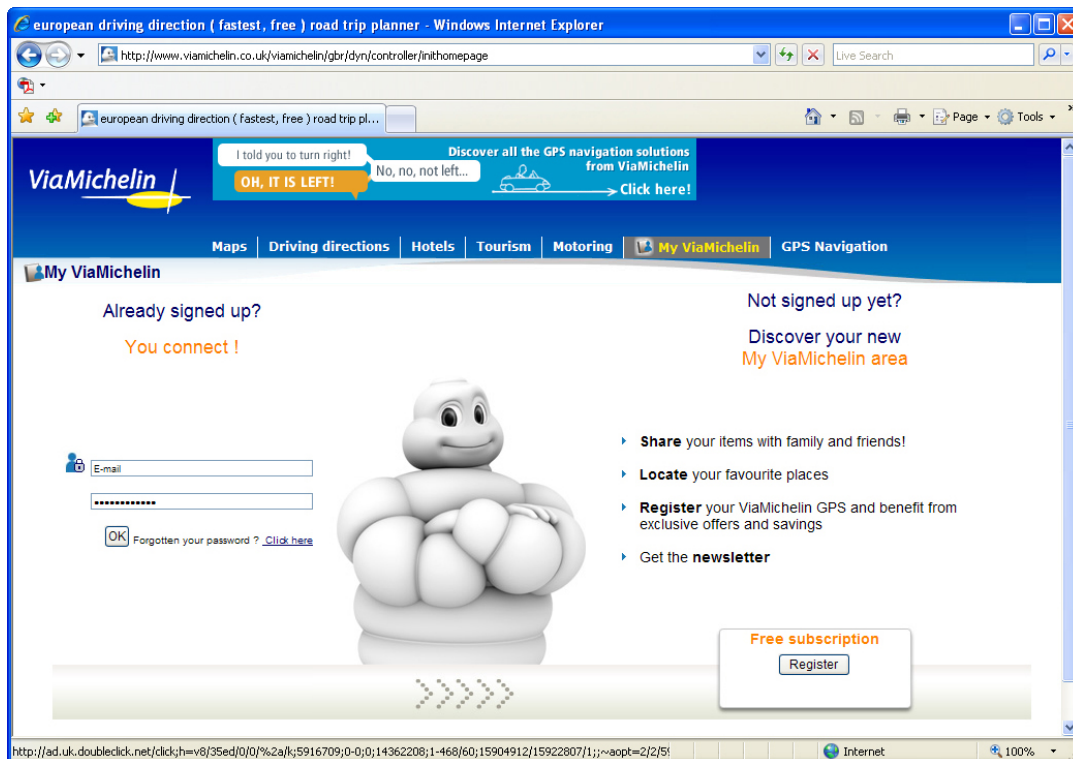


13.1.6 My ViaMichelin on line

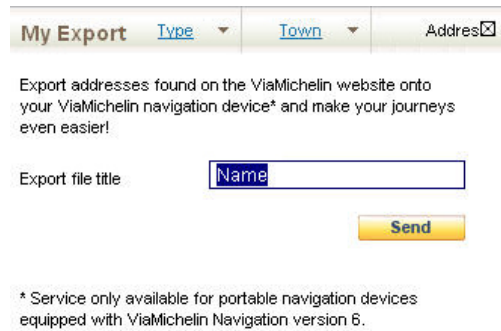
If you have a “**My ViaMichelin**” account on the ViaMichelin web site, this link lets you access it directly to export addresses, routes, etc. from your web site account onto your PC and to your ViaMichelin Navigation X-970. You must tick the box “**I would like to be logged into my account automatically without having to enter in my details each time I visit**” in the settings of your “**My ViaMichelin**” web site account.

If you don’t have an account on the “**My ViaMichelin**” web site you will access the home page; then click the “**Register**” button to access the registration form, which is easy and quick to use and is free of charge.

Your addresses saved in your personal “**My ViaMichelin**” account on the ViaMichelin web site can then be passed onto and shared with friends who also have a ViaMichelin PND. You will then have a collection of common addresses and routes grouped together in your customizable folders that can be identified easily *(for more information, please see the FAQs on the ViaMichelin web site).*



- Select the address, addresses or entire folder you want to export, then click “Export to GPS”:



My Export **Type** **Town** Address

Export addresses found on the ViaMichelin website onto your ViaMichelin navigation device* and make your journeys even easier!

Export file title:

Send

* Service only available for portable navigation devices equipped with ViaMichelin Navigation version 6.

- Give your address a name, then click “**Send**”.

Comment:

*The name entered will only be memorized if you save the file on the PC. If you export the file directly to your PND via the “**Content Manager**” application, the save name will be the one allocated by the system.*

- Save the file to your PC desktop (or to the directory of your choice - out of the ViaMichelin tree structure).
- Or choose to open the file directly without saving it first.
- Close the download window, then go back to your PC desktop.



- Double-click the file .

The activation of a “**xvm**” file automatically starts the “**Content Manager**” application. The addresses are then created in a folder with the same name as the one on the web site.


- From the “**My ViaMichelin**” tab in the “**Content Manager**” application, click the “**Export**” button to copy all the customized folders into the “**File summary**” column.
- Perform a synchronization as described in paragraph 13.4.

13.1.7 www.ViaMichelin.com

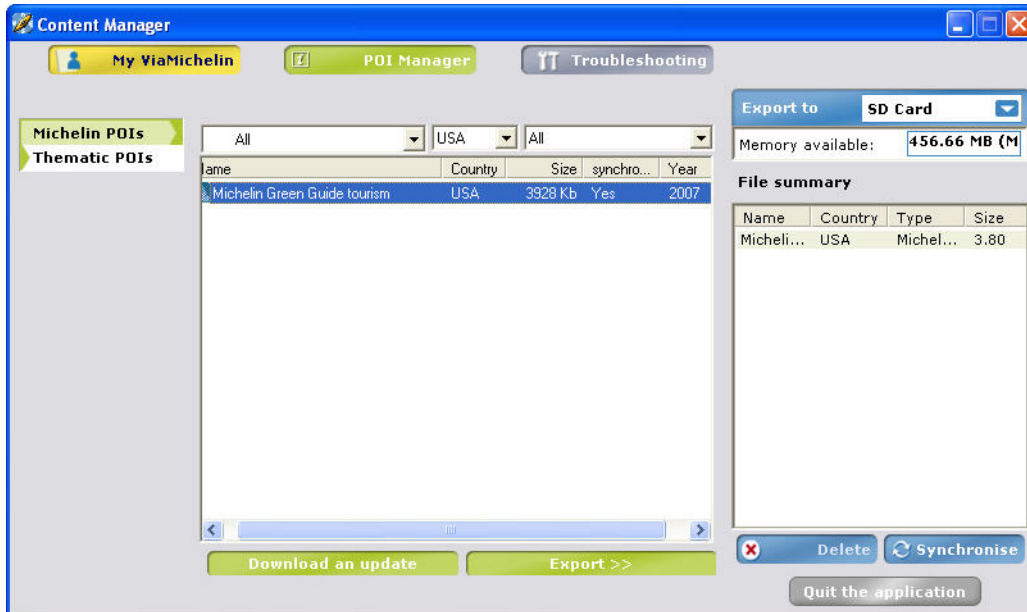
- Click  .

This link lets you access the ViaMichelin web site home page directly: <http://www.ViaMichelin.com>

13.1.8 Export

- Select the addresses and routes of your choice, then click  .

This function lets you select the addresses in your folders and export them to your PND.



- When the content you want to export to your ViaMichelin Navigation X970 is in the “**File summary**” column, perform a synchronization as described in paragraph 13.4.

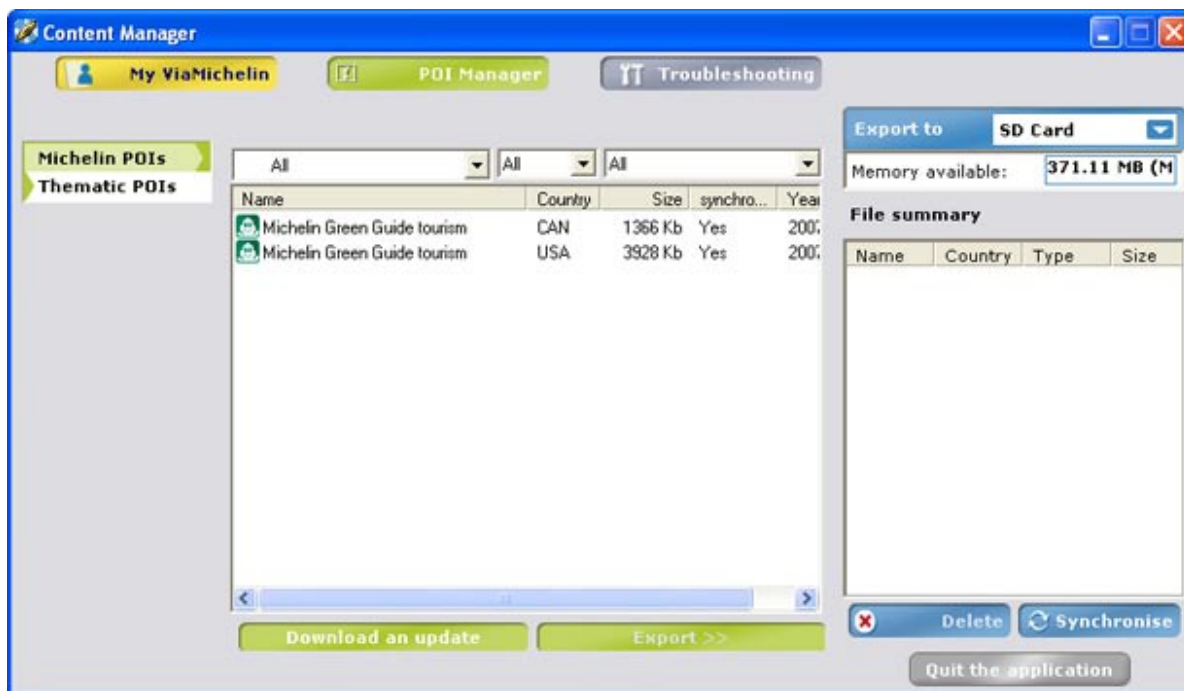


13.2 POI Manager

- Click  **POI Manager** .

You can use the “**POI Manager**” program to manage 2 types of POI:

- **Michelin POIs** to export Michelin POIs to the PND.
- **Thematic POIs** to export POIs organized by theme to the PND.



13.2.1 Michelin POIs

- Select “**Michelin POIs**” from the list of POIs.

You can display the full list of Michelin POIs, Michelin Green Guide tourist sites or select one of these three categories from the drop-down menu list. You can also select POIs for one country only from the list above the “**Country**” column.

- Click the POI you want.

When you have selected all the files you want, click “**Export >>**”. The selected files are then shown in the “**File summary**” table.

- Perform a synchronization as described in paragraph 13.4.

Comment on Michelin POIs and Thematic POIs:

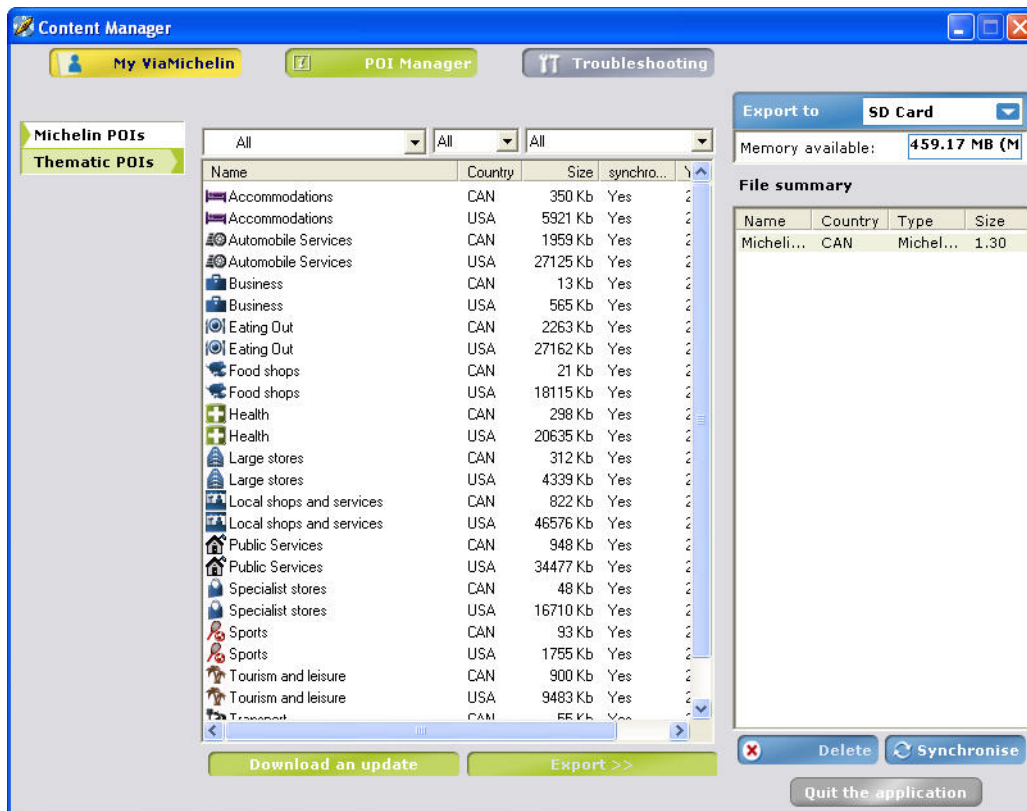
All Michelin POI files: Hotels, restaurants and tourist sites, are on the original SD card of your ViaMichelin Navigation X-970.

*Similarly, all **Thematic POI** files are on the original ViaMichelin Navigation X-970 card.*

*However, you may delete the POI categories you do not want from your PND at any time. You can restore them at any time using the “**POI Manager**” module.*

13.2.2 Thematic POIs

- Select “**Thematic POIs**” from the list of POIs.



- Click the POI you want.
- When you have selected all the files you want, click “**Add to Selection**”. The selected files are then shown in the “**File summary**” table.
- Perform a synchronization as described in paragraph 13.4.

The **Thematic POI** files are exported to the SD card. They are copied to the directory “**VMNav_POI**” on the SD card.

13.2.3 How to Add a “*.poi” File

You will also find “**poi**” files on ViaMichelin partner websites (for example, “CourtePaille” restaurants), which are made available to you free of charge and regularly updated. You can use the “**Content Manager**” application to download and add these files to have information that is permanently kept up-to-date on your ViaMichelin Navigation X-970.

13.2.3.1 Directly from the web site

- Click “**Open**”.

The POI file is then saved directly onto your PND and your PC. You can see the file in the “**Thematic POI**” section of the “**POI Manager**”.

13.2.3.2 From a saved file

- When downloading the file, click “**Save**” and save the file to your PC’s desktop or to another directory on your PC’s hard disk - out of the ViaMichelin tree structure.

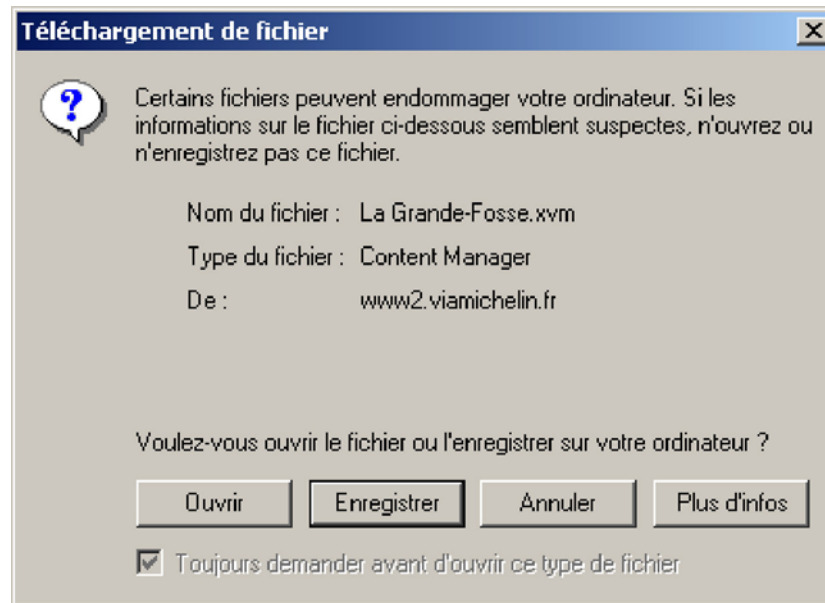
You can then log off the Internet.

- Double-click the “**poi**” file to be added: the POI file is then saved directly onto your PND and your PC. You can see the file in the “**Thematic POI**” section of the “**POI Manager**”.

13.2.4 How to add a ViaMichelin “*.xvm” file

“**xvm**” files are generated by the ViaMichelin web site to let you easily add the addresses or routes you want to your PND.

- Log on to the ViaMichelin web site: <http://www.ViaMichelin.com>
- Perform your search.
- Click on the “**Send this address: to my GPS**” link:
- In the “**Send to my ViaMichelin GPS**” window, give your export a name; then click “**Send**”.



13.2.4.1 Directly from the ViaMichelin web site

- Click “**Open**”.

The address is then directly saved in the “**My Favorites**” / “**Addresses**” folder (or the “**Routes**” folder if you are saving a route).

13.2.4.2 From a saved file

- When downloading the file, click “**Save**” and save the file from the ViaMichelin web site to your PC’s desktop or to another directory on your PC’s hard disk - out of the ViaMichelin tree structure.

You can now log off the ViaMichelin web site.

- Double-click the “**xvm**” file to be added: The address is then directly saved in the “**My Favorites**” / “**Addresses**” folder (or the “**Routes**” folder if you are saving a route).

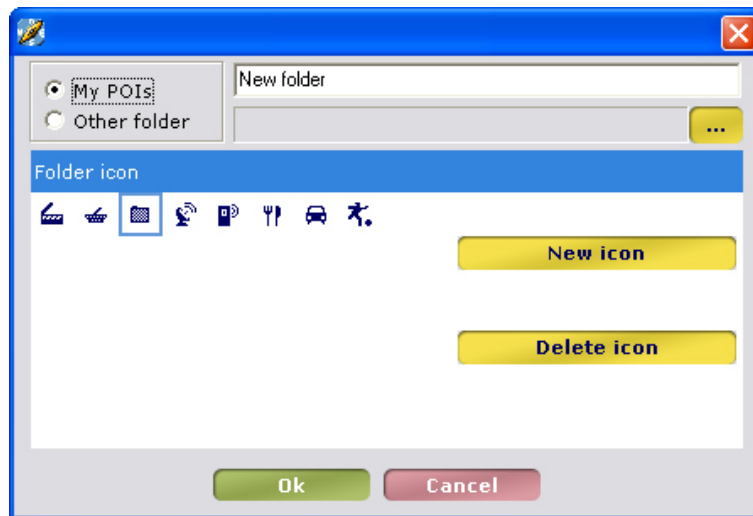
When you have selected all the files you want, click “**Add to Selection**”. The selected files are then shown in the “**File summary**” table.

- Perform a synchronization as described in paragraph 13.4.

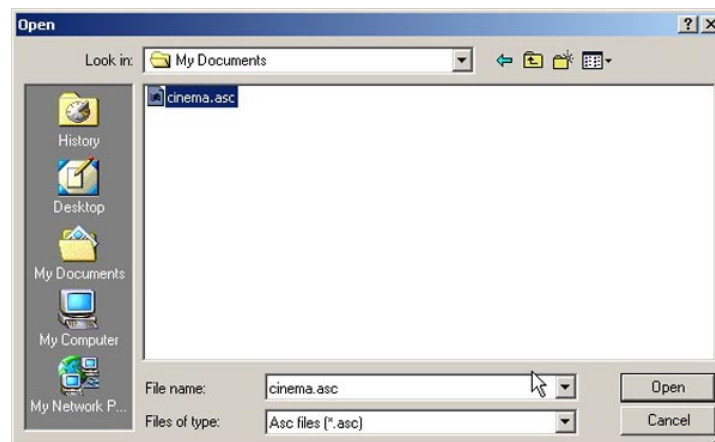
13.2.5 How to add an “*.asc” file

With the “**Content Manager**” application it is possible to add “*.asc” type text files matching the structure described in paragraph 13.2.5.1.

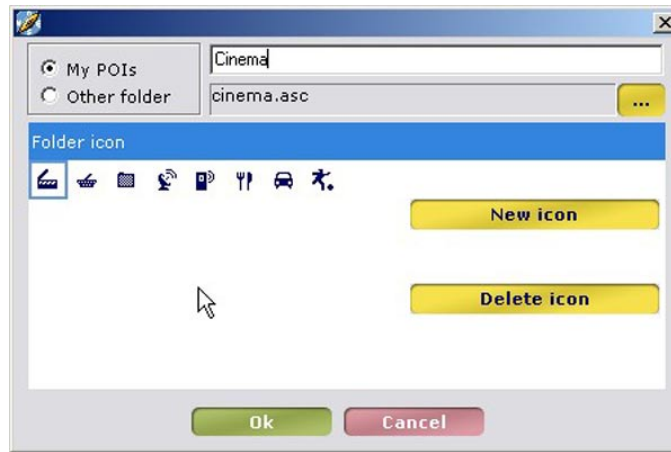
- Connect your ViaMichelin Navigation X-970 to your PC.
- Start the “**Content Manager**” application.
- Go to the “**My ViaMichelin**” section.
- Select the “**My POIs**” directory.
- Click the icon  to create a new folder.



- Click the box with 3 small points as shown in the figure above.
- Select the “*.asc” file you want from the folder in which it has been saved.

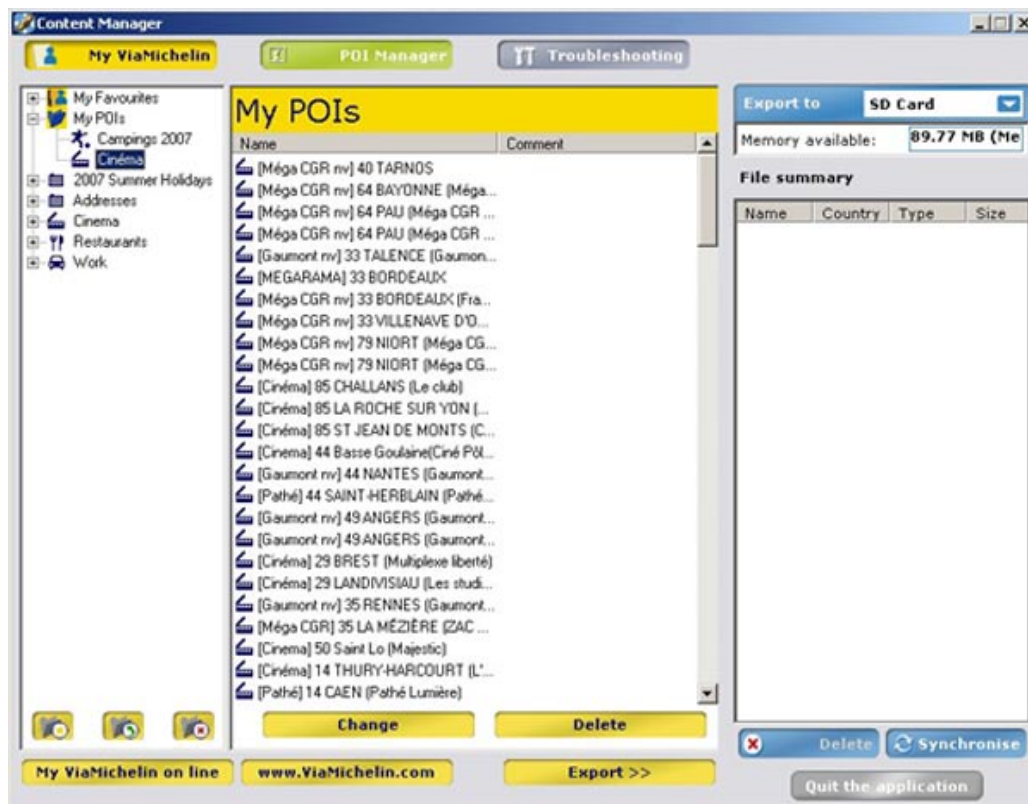


- Click “**Open**”.



- Select an icon from the ones displayed or click “**New icon**” to select a “**bmp**” file (16 x 16 pixels) that will be the icon associated with the added file.
- Enter a name for this new file.
- Click “**OK**”.

The file will then be added to a new directory of the “**My POIs**” file.



When you have selected all the files you want, click “**Export >>**”. The selected files are then shown in the “**File summary**” table.

- Perform a synchronization as described in paragraph 13.3.

13.2.5.1 Create an “*.asc” file

To create an “**.asc**” type file to add to your ViaMichelin Navigation X-970, follow the instructions below:

You have to create an **“.asc”** file for each category of saved address to be imported (which also means you can subsequently delete saved items solely for a given category).

On your PC:

- Create a text file (with Windows Notepad, for example: *.txt).
- Open this text file and create your saved addresses as follows:
- Each line must contain information on a single saved address only and use the following syntax:
[Longitude], [Latitude], [Name]
- The separator is the comma “,”
- The name must be in quotation marks “ ”
- Lines preceded by a semi-colon “;” are comment lines.
- Longitude and Latitude must be given in degrees and decimal fractions of degrees.
- The longitude is defined on a scale of +180° to -180° or 180° East to 180° West. The latitude is defined on a scope of 0° at the equator to 90° at the poles.
- Rename the text file using **“.asc”** as the extension: e.g.: **“MyRestaurants.asc”**
- Save the file in the directory of your choice (out of the ViaMichelin tree structure).
- Check that your ViaMichelin Navigation X-970 system is connected and that the link with your PC is working.
- Start Content Manager and click the POI Manager tab
- Select the **“.asc”** file saved in the directory of your choice and confirm.
- Select the category of saved address to which imported saved addresses will be attached.

After importing the file into your ViaMichelin Navigation X-970, you can set the display and the POI Warner as you want.

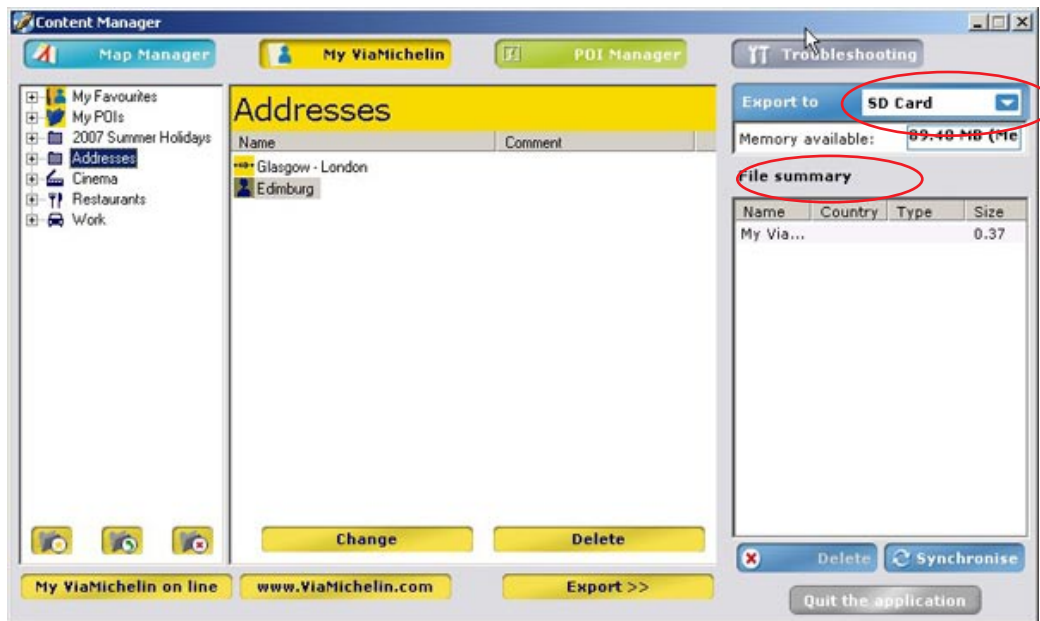
13.2.5.2 Creating a new icon

- On the PC, open the **“Paint”** drawing program (MSPAINTE.EXE). To open it: Start / Programs / Accessories.
- In Image / Attributes, select: 16x16 pixels and color, then click **“OK”**.
- In View / Zoom, select Large Size.
- Using the pencil, the brushes, etc. and the color box, draw your icon.
- In File / Save As, give your icon a name and select the format **“Bitmap 256 colors *.bmp”**.
- Save your icon in the folder of your choice.
- Close **“Paint”**.





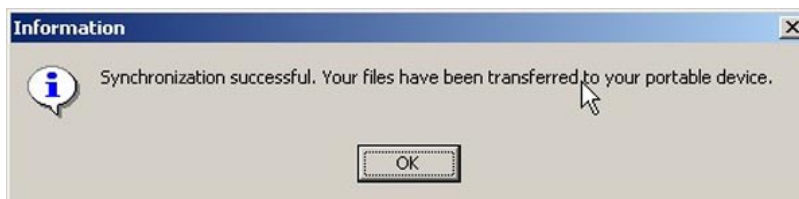
13.3 Synchronize

After performing the operations of your choice in **Map Manager**, **My ViaMichelin** and / or **POI Manager** and transferring all the files and maps to be added to your ViaMichelin Navigation X-970 to the **“File summary”** table, you must perform a synchronization between your PC and your PND.



- Select the place “SD Card” (or “PND memory”) where the files and maps will be saved in “Export to”. If the volume of the files to export is greater than the capacity of the storage location, a message will tell you that it is not possible to perform the synchronisation.

- Click  **Delete** to delete files you do not want to export to your PND.
- Click  **Synchronise** to activate the export.



- Click “OK” to go back to the “Content Manager” application.

Comment:

This synchronization re-exports the files and maps you have selected and all the data from your “My ViaMichelin” folders to your ViaMichelin Navigation. This may take several minutes depending on the volume.

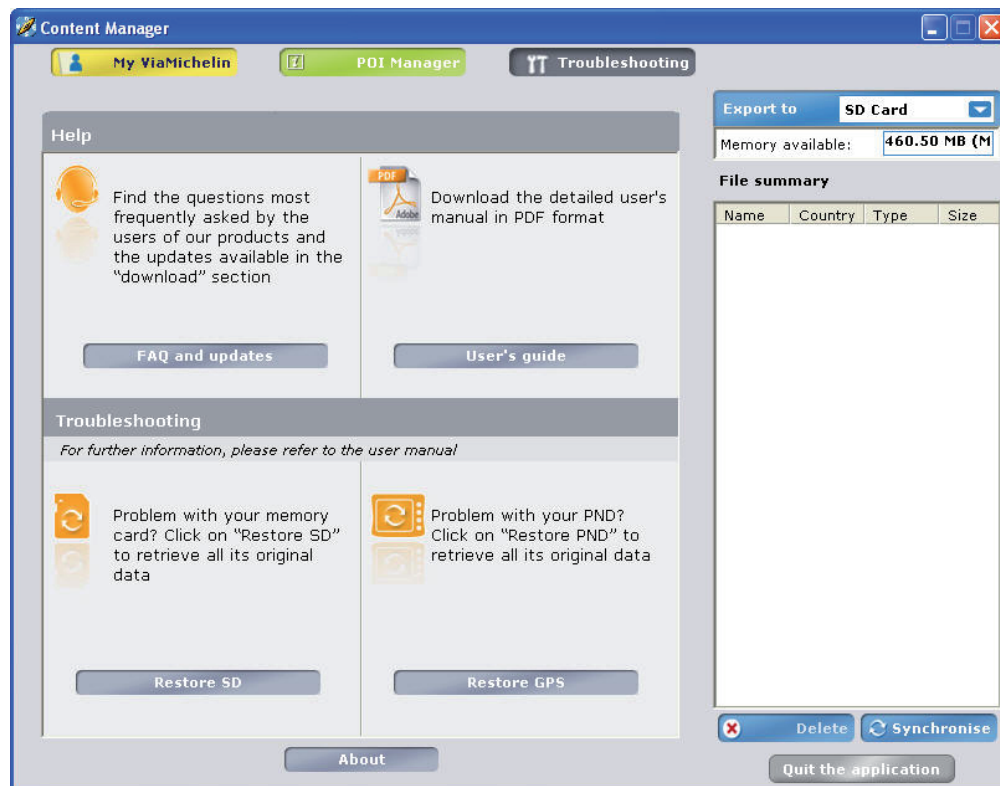
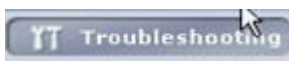
After a synchronization between your PC and your PND:

- The card files will be visible on your PND in:
Main Menu > Options > Map > Change Or Delete Map > Change Map
- An address file (“xvm” file) from your “My ViaMichelin” web site account will be saved in a new folder in the “Content Manager” “My ViaMichelin” section and on your PND in:
Main Menu > My ViaMichelin > [New folder] > Addresses > ...
- A route file (“xvm” file) from your “My ViaMichelin” web site account will be saved in a new folder in the “Content Manager” “My ViaMichelin” section and on your PND in:
Main Menu > My ViaMichelin > [New folder] > Routes > ...
- An “asc” file is saved in the “My POIs” section of the “Content Manager”
Main Menu > My ViaMichelin > My POIs > [New folder]
- A ViaMichelin partner company “poi” file will be saved in the “POI Manager” / “Thematic POI” section and on the PND in: **Main Menu > Plan Your Journey > Search for a POI > [New folder]**
- A ViaMichelin “poi” file will be saved in the “POI Manager” / “Thematic POI” option of the “Content Manager” and on the PND in: **Main Menu > Plan Your Journey > Search for a POI > New File**
- A ViaMichelin “poi” file (for example Michelin guide - Hotels) will be saved in the “POI Manager” / “Thematic POI” option of the “Content Manager” and on the PND in:
Main Menu > Plan Your Journey > Search for a POI > Michelin Guide Hotels



13.4 Troubleshooting

Click



You can find additional help menus to maintain, use and get the best out of your ViaMichelin Navigation X-970:

- **FAQ and Updates** to access online help and updates for ViaMichelin programs.
- **User Manual** to download the QuickStart manual or the full manual.
- **Restore SD** to regenerate your SD card to its factory settings.
- **Restore PND** to reinstall your PND to its factory settings.

13.4.1 FAQ and Updates

- To access our FQA section, consult the ViaMichelin navigation web site, in the “Support” section.

<http://www.ViaMichelin.com> > Support > X-970 > FAQ

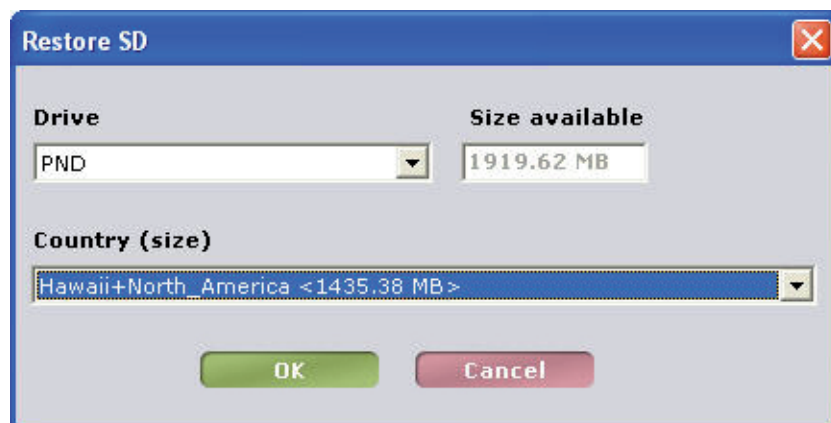
13.4.2 User Manual

- To access the x-970 user manual, consult the ViaMichelin navigation web site, in the “Support” section. follow the path indicated

<http://www.ViaMichelin.com> > Products > Specifications > Download product manual

13.4.3 Restore SD

- Click “**Restore SD**” to start the procedure to completely regenerate the SD card in your ViaMichelin Navigation X- 970



Specify where you want to copy the files to by ticking the “**Drive**”, the “**available size**” tells you the storage capacity of the drive and the “**Country (size)**” gives the map that will be regenerated.

- Click “**OK**” to start the procedure to restore the SD card or click “**Cancel**” to exit this application.

You can see the progress of the restore procedure on the task bar. Regenerating an SD card depends on the map set to be regenerated, taking into account the transfer speed of data managed by the Microsoft ActiveSync® software. For example, it takes about 90 minutes to regenerate a 2 GB SD card with the map of the USA.

When the SD card has finished regenerating you should perform either a full device reset (hard reset) or Restore PND procedure (presented in the next paragraph) so that the regenerated SD card data is taken into account.

Comments:

The **Restore SD** function does not copy the “MyViaMichelin” folder and its content to the SD card. If you want to save your personal POIs, addresses and routes you must **Export** your folders from the **My ViaMichelin** option of the “**Content Manager**” (for more information, see paragraph 13.1.8.)

13.4.5 Restore PND

- Click “**Restore PND**” to start the procedure to regenerate the original programs installed on the PND. This function does not affect the map part of your software (unlike the function Restore SD), but only the functionalities.



- Click “**Restore**” to start the procedure to restore the programs or click “**Cancel**” to abandon this procedure.

The task bar shows the progress of the procedure, which only takes a few minutes whatever map set is installed on your ViaMichelin Navigation X-970.

About

- Click “**About**” to find out which version of “**Content Manager**” is installed.
- Click “**Quit the Application**” to close and exit the “**Content Manager**” program.

14_Technical information



14.1 PC configuration for installing the DVD-ROM

- Minimum PC configurations required:
 - PC equipped with a Pentium III ® - 500 MHz processor
 - 512 MB of RAM
 - DVD-ROM drive
 - Microsoft Windows 2000® or Windows XP® (32- bit) or Windows Vista ® (32-bit)
 - Space available on your hard drive: 4 GB Country version
- Internet connection to activate the DVD-ROM and download POI files or software updates or patches.



14.2 ViaMichelin Navigation X-970 technical information

- | | |
|-----------------------------------|---|
| • Dimensions (L x W x H) in mm | 108 x 80 x 20,6 mm |
| • Weight | 155 g |
| • Cigarette-lighter cable voltage | 12 V |
| • Screen | Toppoly - 3.5''
QGVA LCD – 320 x 240 pixels - 65 536 colors
Transmissive type – with non-reflective coating |
| • Processor | Samsung SC2440 |
| • Processor speed | 400 MHz |
| • Operating system | Windows CE.net 5.0 |
| • ROM memory (Flash) | 128 MB |
| • RAM memory | 64 MB |
| • SD card reader | For SD cards with a storage capacity of up to 2 GB |
| • USB link | v 2.0 |
| • Operating conditions | -10° to 55°C (battery charge: between 0° and 43°C)
(storage: -20°C to 70°C)
10 – 85 % humidity
Max. altitude: 18,000 m |
| • Battery | Lithium-ion |
| • Battery life | Approximately 3 hours |
| • GPS standard used | NMEA 0183 (2.x) – 4.800 bps – Datum WGS 084 |
| • Reception unit | SIRF Star III |
| • antenna connector standard | MMCX |
| • Antenna | PIFA type |
| • loudspeaker | 1W / 3 W with the support loudspeaker |
| • Headset connector / TMC antenna | 3.5 mm jack – stereo – 16 Ohms |
| • FM frequency scanned | 76 – 108 MHz |
| • RDS sensitivity | < 35 dB/uV |
| • Bluetooth® | BQB - v 2.0 – Classe 2 |
| • Certifications | Safety CE
EMI CE
Bluetooth® BQB
Environmental RoHS & WEEE |

15_What to do if...

In this table, we suggest a few answers to frequently asked questions:

How can I perform a “partial” or “soft reset”?	<p>A partial - or soft reset - restarts your ViaMichelin Navigation X-970 if the application crashes.</p> <p>To perform a soft reset, press the “Reset” point on the back of your ViaMichelin Navigation X-970 <i>(with an opened out paperclip, for example)</i>.</p> <p>The soft reset closes the application and restarts the ViaMichelin Navigation software.</p> <p><i>Comment:</i></p> <p>Only procedures running at the time of the reset may be lost (e.g. the current route).</p>
How do I perform a “full” or “hard reset”?	<p>A full - or hard reset - restores your ViaMichelin Navigation X-970 to its initial conditions.</p> <p>After this operation, you will need to reinstall the software.</p> <p>To perform a hard reset:</p> <ul style="list-style-type: none">- connect your device to the cigarette-lighter cable, the USB cable or a power cord.- remove the SD card from the PND.- perform a reset by pressing the “Reset” at the back of the device then, just after doing so, press the ON/OFF button and keep it pressed, without the card.- after a few seconds a message and a countdown appear on the screen. Keep the ON/OFF button pressed down until the end of the countdown.- put the SD card back into the PND and reinstall the ViaMichelin Navigation program.
The device does not switch on when I press the “ON/OFF” button:	<p>Connect your device to the cigarette lighter cable or power adapter for at least 4 hours to fully recharge your PND. If the charge indicator diode does not switch on after several hours of recharging and the diode does not switch to green, please contact your reseller to have your device checked.</p>
During navigation, the voice messages are in another language:	<p>In the Main Menu, go to Options > General > Language and select the Voice Guidance language you want.</p>
How do I update my POIs?	<p>Use POI Manager to download and add your POI files from the ViaMichelin web site:</p> <p>http://www.ViaMichelin.com</p>
What is the difference between the Shortest and the Quickest route?	<p>When preparing a route, it is possible to specify that the system should calculate the journey on the basis of the criterion “Quickest route” or “Shortest route”.</p> <p>The “Shortest route” criterion selects the most direct road journey between the points of departure and arrival.</p> <p>The “Quickest route” calculates the shortest route on roads which have the highest average speeds.</p> <p>For more information, please see Section 10_NOTES AND TIPS</p>

How do you go about installing the DVD-ROM on the PC if you get a CRC error message when you start the DVD-ROM?

If an error message appears when you try to install the software on your PC, we suggest you perform the following operations:

- empty the Windows temporary files folder: TEMP
- empty the temporary Internet files folder.
- empty the desktop recycle bin.
- check that you have sufficient disk space on your hard drive for the installation (4 GB).
- create a temporary folder on your PC's hard disk: for example: VMX970TEMP
- copy the DVD-ROM into that folder.
- while installing, disable the anti-virus software on the PC.
- click on the "Setup" program to start the installation procedure.
- follow the instructions on the screen.

Once the software is successfully installed, delete the temporary folder and its contents from your PC's hard disk.

The device does not recharge when it is connected in the car:

Check that the cigarette-lighter socket and the mini USB socket are properly connected and that the cable diode light is on.

On the ViaMichelin GPS Navigation web site you will find other tips and advice as well as user manuals, information, updates, patches, etc. to help you get the best out of your ViaMichelin Navigation X-970:

<http://www.ViaMichelin.us> > Support

16_USER RIGHTS AND WARRANTIES

Please read carefully the following terms and conditions prior to using the ViaMichelin portable navigation system that you have purchased.

Use of the software provided with this system is subject to a licence granted by ViaMichelin, and/or other suppliers, to the initial buyer, i.e., the end-user (hereinafter “You”), for his/her personal use, in accordance with the following software licensing agreement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



16.1 Software Licensing Agreement

Please read this end-user license agreement carefully.

Breaking the seal or opening the sleeve of the DVD-ROM or memory card or pressing the “**I agree**” button for pre-installed or downloaded software means that you accept the terms and conditions of this agreement. If you do not accept the terms and conditions of this agreement, please return the unused and complete ViaMichelin Product (including hardware, software, accessories and documentation, with packaging) to your retailer within no more than thirty (30) days following your purchase in order to obtain a full refund. The sales receipt shall be proof of purchase.

16.1.1 Software covered

This agreement applies to the ViaMichelin Navigation software and to other software provided by ViaMichelin or by third parties with the ViaMichelin Product, and their accompanying documentation (hereinafter the “**Software**”), whether the **Software** are pre-installed on the navigation appliance, provided on a DVD-ROM or memory card, or obtained by downloading.

This agreement also applies to the contents integrated into the **Software** (data, databases, programs...) supplied by ViaMichelin or by third parties (hereinafter the “**Data**”)

16.1.2 License

ViaMichelin and/or its suppliers grant you a limited, non-exclusive license to use the **Software** and **Data** in accordance with the following conditions and limitations.

16.1.3 Intellectual property rights

The **Software** and **Data** are protected by copyright, intellectual property right regulations and by provisions of international treaties. Any breach of these rights shall constitute copyright infringement. ViaMichelin and its suppliers shall retain all rights that are not expressly granted.

16.1.4 Restrictions on use

You are only authorized to use the **Software** and **Data** in conjunction with the ViaMichelin Product and the accessories dedicated to the ViaMichelin Products. Under no circumstances may the **Software** and **Data** be used with any other equipment or accessories.

You are not authorized to reproduce, modify, adapt, decompile or disassemble the **Software**, perform reverse engineering or use the **Software** with another device. ViaMichelin will provide you, upon written request, with the information necessary for the **Software** to be interoperable with other programs in accordance with the statutory provisions in force.

You may make a back-up copy of the **Software** solely for the purpose of restoring the original **Software** in the event it is accidentally corrupted. You must reproduce all the information regarding copyright and any other information relating to property rights shown on the **Software** and affix said information to any copy that you may make.

You are not authorized to extract, reproduce, represent, modify, adapt or extract the **Data** integrated into the **Software**. In particular, you are strictly prohibited from downloading the digital maps or **Data** contained in the **Software** and from transferring them onto other software and/or equipment.

You are not authorized to lease or lend the **Software** or to use it for business or professional purposes. You may not grant a sub-license to the **Software**, whether free of charge or for valuable consideration, or grant or transfer a license.

16.1.5 Term

This agreement shall be valid until it is terminated or ends for any reason whatsoever. It may be terminated at any time in the event you breach any of the provisions hereof. Immediately after its termination or end, you must return the **Software** and **Data** to ViaMichelin and/or destroy any copies in your possession.

16.1.6 Severability

If one of the provisions of this agreement proves to be invalid, unlawful or inapplicable, this shall not affect the validity, lawfulness and applicability of the other provisions.

16.1.7 Governing law and jurisdiction.

For sales in Canada, Mexico or the United States, this licensing agreement shall be governed by the law of the State of New York. For all other sales, this licensing agreement shall be governed by the law of France.



16.2 Warranty

This warranty is granted by ViaMichelin to the initial buyer, i.e., the end-user, of a ViaMichelin portable navigation device (hereinafter “**the ViaMichelin Product**”) for his/her personal use (hereinafter “**you**”).

16.2.1 Hardware

ViaMichelin warrants that the portable navigation appliance and the accessories thereto (hereinafter “**the Hardware**”) shall be free of any material or manufacturing defects, subject to normal use, for a period of one (1) year from the date of the initial purchase. ViaMichelin warrants that the media on which the **Software** is recorded shall be free from any defect during this warranty period.

16.2.2 Software

ViaMichelin warrants that the ViaMichelin Navigation **Software** and any other ViaMichelin branded **Software** provided with the **Hardware** (hereinafter “**the Software**”) shall comply with the specifications with which they are supplied, for a period of ninety (90) days from the date of the initial purchase.

16.2.3 Limit on the warranty.

1. This warranty does not apply to software or hardware produced by a third party and supplied with or incorporated into the ViaMichelin portable navigation system. ViaMichelin does not provide any warranty on behalf of said third parties. The hardware and software produced by third parties are covered by a warranty from their supplier or licensor.
2. This warranty does not apply to normal wear and tear to the **Hardware** and **Software**.
3. This warranty does not cover (i) material damage to the surface of the portable navigation appliance including cracks and scratches on the screen or the outer case, (ii) damage caused by incorrect use or use that does not comply with the instructions, negligence, or an attempt to repair or modify the product, (iii) damage caused by fire, damp or leaks, exposure to a source of heat, fluctuations in voltage, natural disasters or other risks, (iv) or damage caused by the use of the ViaMichelin Product with other hardware and/or software than those it is sold with.
4. This warranty does not include a warranty that the operation of the **Software** shall be uninterrupted and free from error. Errors in calculation may occur due to the fact that the **Software** is used in an external system or due to the conditions of the local environment. Any warranty as to the reliability, accuracy, completeness and comprehensiveness of the data included in the **Software** is expressly excluded. ViaMichelin and its suppliers use the utmost care in selecting and updating the cartographic and thematic data included in the **Software**. However, on the date the **Software** is acquired or used, certain data included in the **Software** may have been modified without ViaMichelin or its suppliers having been informed of this.
5. This warranty does not cover real time traffic information services that you may access using your ViaMichelin portable navigation system, subject to availability of these services in the country in which you are travelling. Such services are provided under the sole responsibility of the respective providers, which may be private or public entities. No warranty as to the accessibility or availability of such services is provided. Any warranty as to the reliability, accuracy, comprehensiveness or real-time updating of any information, messages or warnings sent via these services is also excluded.

16.2.4 Remedies

In the event of a hidden defect of which ViaMichelin is informed during the warranty period, your sole remedy shall be to obtain the repair or replacement of the **Hardware** and/or the **Software**, solely at ViaMichelin's discretion and at its expense. If ViaMichelin cannot reasonably repair or replace the product, ViaMichelin may, solely at its discretion, refund to you the purchase price paid for the product. Replaced parts or products may be new or refurbished or versions that are comparable to the defective ViaMichelin product. ViaMichelin warrants all replaced **Hardware** and/or **Software** for a period of ninety (90) days from the date of shipment or until the end of the original warranty period if this is later.

16.2.5 Implementation of the warranty.

To implement this warranty, you should contact the retailer you purchased the ViaMichelin product from and return the **Hardware** and/or **Software** to it during the applicable warranty period, following the instructions the retailer will give you. Dated proof of the initial purchase will be required.

16.2.6 Exclusions from the warranty.

This warranty excludes all other express, implicit or statutory warranties, conditions and terms, including merchantability warranties, suitability for a specific use, accuracy, compliance with the description, regarding satisfactory quality, the absence of any virus in the **Software** and non-copyright infringement.

However, no provision of this warranty shall affect your statutory rights.

16.2.7 Limitation of responsibility and liability.

Insofar as this is allowed by the applicable regulations, ViaMichelin and/or its suppliers shall under no circumstances be responsible for any direct and/or indirect damage, special or subsequent damage, in particular, for information purposes but not limited to, the loss of earnings or profit, loss of business, loss of data and loss of software, or of hardware, including the costs of recovery, reproduction or repairs following the above-mentioned loss, caused by the use of and/or the impossibility of using the ViaMichelin product even if ViaMichelin and/or its suppliers have been informed of the possibility of said damage. In any event, ViaMichelin's liability shall be limited to the price you paid for the ViaMichelin product.

16.2.8 Severability

If one of the provisions of this warranty proves to be invalid, unlawful or inapplicable, this shall not affect the validity, lawfulness and applicability of the other provisions.

16.2.9 Governing law and jurisdiction.

For sales in Canada, Mexico or the United States, this warranty agreement shall be governed by the law of the State of New York. For all other sales, this warranty agreement shall be governed by the law of France.

The United Nations Convention on Contracts for the International Sales of Goods is hereby excluded from application to this warranty agreement.

Please note: If you use the ViaMichelin portable navigation system in your vehicle, you are responsible for positioning and using the navigation tools inside your vehicle so that the driver's visibility is not obstructed and the operation of safety systems is not hindered, and so as to avoid any risk of accident, injury and/or damage. You must obey road safety rules and only handle the ViaMichelin portable navigation system when your vehicle is stationary. ViaMichelin and/or its suppliers shall not be liable for any use of this product that may cause accidents or damage or that break the law, or for any direct or indirect consequences thereof.



In accordance with the provisions of Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment (WEEE), this product should not be disposed of in household waste. It must be deposited at an appropriate collection point for the treatment, recovery and recycling of waste from electrical and electronic Hardware. By making this gesture for the environment, you are helping to save natural resources and protect human health.